STR-D715/D915

SERVICE MANUAL

US Model
Canadian Model
STR-D715/D915
Australian Model
STR-D915

Photo : STR-D915

SPECIFICATIONS

Audio Power Specifications

POWER OUTPUT AND TOTAL HARMONIC DISTORTION

With 8-ohm load, both channels driven, from 20 - 20,000 Hz, rated 110 watts (STR-D915) or 100 watts (STR-D715) per channel minimum RMS power, with no more than 0.3 % total harmonic distortion from 250 milliwatts to rated output. (U.S. A. model only)

Other Specifications

Amplifier section

Continuous RMS power output (8 ohms, at 20 Hz - 20 kHz less than 0.3% (US, Canadian model), 0.7% (Australian model)
STR-D915: 118 W + 118 W
(US, Canadian model)
STR-D915: 110W + 110W (Australian model)
STR-D715: 110 W + 110 W

Surround mode

	Surround mode (8ohms at 1 kHz, THD 0.8 %)	
	STR-D915	STR-D715
FRONT	100 W/ch	80 W/ch
CENTER*	100 W	80 W
REAR	25 W	25 W

* (only in theDOLBY SUR and THEATER modes)

Dynamic power output (US, Canadian model)
STR-D915: 160 W + 160 W (8 ohms)
225 W + 225 W (4 ohms)
STR-D715: 155 W + 155 W (8 ohms)
220 W + 220 W (4 ohms)

Harmonic distortion at rated output (US, Canadian model)
Less than 0.3 %

Frequency response PHONO: RIAA equalization curve ±0.5 dB
CD, DAT/MD, TAPE MONITOR, VIDEO 1, 2, 3*: 10 Hz – 50 kHz $^{+1}_{-3}$ dB
* STR-D915 only

FM tuner section

Tuning range	87.5 – 108.0 MHz
Antenna terminals	75 ohms, unbalanced
Sensitivity (at 50 dB):	18.3 dBf, 4.5 µV (mono)
	38.3 dBf, 45 µV (stereo)
Usable sensitivity	11.2 dBf, 2 µV (IHF)
S/N	Mono: 76 dB
	Stereo: 70 dB
Harmonic distortion at 1 kHz	
	Mono: 0.3 %
	Stereo: 0.5 %
Separation	45 dB at 1 kHz
Frequency response	30 Hz – 15 kHz $^{+0.5}_{-1}$ dB
Selectivity	60 dB at 400 kHz

AM tuner section

Tuning range	530 – 1710 kHz (with 10 kHz interval*)
(US, Canadian model)	531 – 1710 kHz (with 9 kHz interval)
Tuning range (Australian model)	531-1602kHz
Antenna	Loop antenna
Usable sensitivity	50 dB/m (at 1,000 kHz or 999 kHz)
S/N	54 dB (at 50 mV/m)
Harmonic distortion	0.5% (50 mV/m, 400 Hz)
Selectivity	35 dB (9 kHz), 40 dB (10 kHz)

Inputs

	Sensitivity	Impedance	S/N Short A Net/78 IHF A Net
PHONO (MM)	2.5 mV	50 kilohms	75 dB/75 dB
CD	300 mV	50 kilohms	82 dB/82 dB
DAT/MD, TV, LD, VIDEO 1, 2, 3*, TAPE MONITOR	250 mV	50 kilohms	82 dB/82 dB

* STR-D915 only

Outputs

REC OUT VIDEO 1, 2 (AUDIO) OUT	Voltage 250 mV Impedance 10 kilohms
HEADPHONES	Accepts low and high impedance headphones

MUTING -20 dB
LOW BOOST +10 dB at 70 Hz
TONE ±8 dB at 100 Hz and 10 kHz

* You can change the AM tuning interval to 9 kHz. After tuning in any AM tuning in any AM station, turn off the power of receiver once. While holding down the TUNING + button, press the POWER switch. When you change the interval, all the preset stations will be erased. To reset the interval, repeat the same procedure. (US, Canadian model)

Video section

Inputs	STR-D915: VIDEO 1,2,3: 1 Vp-p 75 ohms
	STR-D715: VIDEO 1,2: 1 Vp-p 75 ohms
Outputs	VIDEO 1, 2, MONITOR: 1 Vp-p 75 ohms

General

System	Tuner section: PLL quartz-locked digital synthesizer system
Preamplifier section	Low-noise NF type equalizer
	Power amplifier section: Pure-complimentary SEPP
Power requirements	120 V AC, 60 Hz (US, Canadian model)
	240V AC, 50Hz (Australian model)
Power consumption (in standby condition: 5W)	
	STR-D915:USA model: 210 W
	Canada model: 305 VA
	Australian model: 220W
	STR-D715:USA model: 195 W
	Canada model: 280 VA
AC outlets	Two switched, total 120 W (US, Canadian model)
	One switched, 100W (Australian model)
Dimensions	430 x 148 x 355 mm (17 x 5 7/8 x 14 inches)
Mass	STR-D915: 10.0 kg (22 lb 1 oz)
	STR-D715: 9.7 kg (22 lb 7 oz)
Supplied accessories	FM wire antenna (1)
	AM loop antenna (1)
	Remote commander (1)
	Sony Batteries SUM-3(NS) (2)

Design and specifications are subject to change without notice.

使用時は添付資料も参照のこと
Refer to the additional documents.

FM STEREO FM-AM RECEIVER

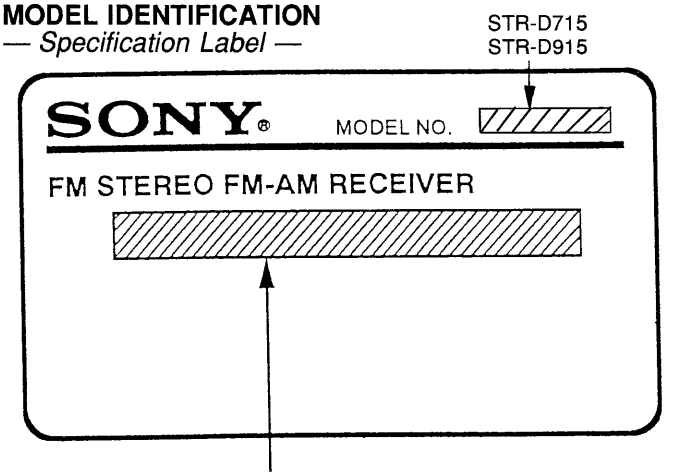
SONY®

TABLE OF CONTENTS

Section	Title	Page
1.	SERVICING NOTE	3
2.	GENERAL	4
3.	DIAGRAMS	
3-1.	Circuit Boards Location	7
3-2.	Semiconductor Lead Layouts	8
3-3.	Printed Wiring Boards — SURROUND Section —	10
3-4.	Schematic Diagram — SURROUND Section —	13
3-5.	Schematic Diagram — MAIN Section —	17
3-6.	Printed Wiring Boards — MAIN Section —	21
3-7.	Printed Wiring Boards — DISPLAY Section —	26
3-8.	Schematic Diagram — DISPLAY Section —	31
3-9.	IC Pin Functions	
	• IC106 (TC9174P) LED Driver	34
	• IC202 ((μPD75518GF-195-3B9) Main Controller	35
4.	EXPLODED VIEWS	
4-1.	Cabinet Section	37
4-2.	Chassis Section	38
5.	ELECTRICAL PARTS LIST	39

MODEL IDENTIFICATION

— Specification Label —



US model : 120V AC, 60Hz 195W (D715)
120V AC, 60Hz 210W (D915)
Canadian model : 120V AC, 60Hz 280VA (D715)
120V AC, 60Hz 305VA (D915)
Australian model : 240V AC, 50Hz 220W

SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:
Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampers). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)

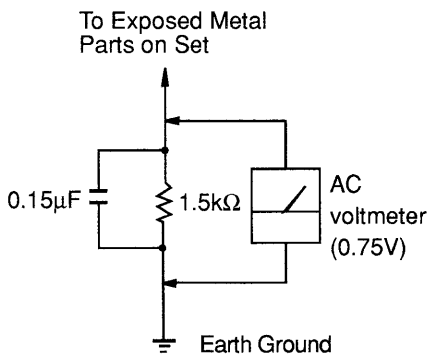


Fig. A. Using an AC voltmeter to check AC leakage.

Notes on chip component replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

SECTION 1
SERVICING NOTE

CHECK MODE The movement check of the set as follows :

	SUBJECT	WITH WHAT HELD DOWN	WHAT IS OPERATED	WHAT FUNCTION IS PERFORMED	SUPPLEMENT
1	FACTORY SET	10 KEY [1], [2], [3]	POWER ON	Initialize for Electrical Adjustment	
2	ALL CLEAR	10 KEY [4], [5], [6]	POWER ON	Initialize	
3	AM 9kHz STEP	[INDEX SELECT/ TUNING+]	POWER ON	AM 9k/10k select	Set to AM.
4	SURROUND CLEAR	[TONE ON/DEFEAT]	POWER ON	SOUND FIELD Initialize	
5	FL KEY CHECK	10 KEY [7], [8], [9]	POWER ON	FL Tube Check and KEY Check	
6	DEMO	[DISPLAY]	Continue to hold down.	Demonstration	Set to S.F.OFF.

1. FACTORY SET

When ten-keys [1], [2] and [3] key are pressed simultaneously and the power is turned on, the following data are stored in the respective RAMs

TUNER PRESET		
CH	FM W/AM 9k	FM W/AM 10k
A1	FM 87.50MHz	FM 87.50MHz
A2	FM 88.00MHz	FM 88.00MHz
A3	FM 98.00MHz	FM 98.00MHz
A4	FM 100.00MHz	FM 100.00MHz
A5	FM 108.00MHz	FM 108.00MHz
A6	AM 531kHz	AM 530kHz
A7	AM 621kHz	AM 620kHz
A8	AM 1053kHz	AM 1050kHz
A9	AM 1485kHz	AM 1490kHz
A0	AM 1710kHz	AM 1710kHz

FUNCTION	LD
PHONO	HALL
CD	HALL
TUNER	OFF
VIDEO 1	DOLBY SUR.
VIDEO 2	DOLBY SUR.
VIDEO 3(D915)	DOLBY SUR.
DAT/MD	HALL
LD	DOLBY SUR.
TV	THEATER

2. ALL CLEAR

When ten-keys [4], [5] and [6] key are pressed simultaneously and the power is turned on, all the RAMs are cleared and initialized.

◎Initial Operation Set State(1)

FUNCTION	TUNER	FM 87.50MHz(AM 530kHz) FM MODE AUTO TUNING LEVEL LOW INDEX NO INDEX (.....) PRESET NO. None(A_)
MONITOR	VIDEO 1	
TAPE MONITOR	OFF	
LOW BOOST	OFF	
MUTING (-20dB)	OFF	
CURSOR MODE	SUR	
SOUND FIELD	OFF	
TONE	DEFEAT	
FUNC. INDEX NAME	SAME FUNC. NAME	
TEST TONE	OFF	
DISPLAY MODE	NORMAL	
LAST S.F.MODE	ACOUSTIC	

◎Initial Operation Set State (2 : Sound Field)

HALL	BASS(dB)	+2
	TREBLE(dB)	0
	DELAY TIME(ms)	30
	REAR LEVEL(dB)	0
DANCE	BASS(dB)	+8
	TREBLE(dB)	+6
	DELAY TIME(ms)	20
	REAR LEVEL(dB)	0
LIVE	BASS(dB)	+2
	TREBLE(dB)	+4
	DELAY TIME(ms)	30
	REAR LEVEL(dB)	0
DOLBY SURROUND	BASS(dB)	0
	TREBLE(dB)	0
	DELAY TIME(ms)	15
	REAR LEVEL(dB)	0
	CENTER LEVEL(dB)	0
	CENTER MODE	PHANTOM
THEATER	BASS(dB)	+4
	TREBLE(dB)	-4
	DELAY TIME(ms)	15
	REAR LEVEL(dB)	0
	CENTER LEVEL(dB)	0
	CENTER MODE	PHANTOM
ACOUSTIC	BASS(dB)	0
	TREBLE(dB)	0

3. AM 9kHz STEP

During AM 10kHz STEP TUNING, set to AM and turn off the power. Then press and hold down [INDEX SELECT/ TUNING +] key, turn on the power, and change AM TUNING STEP to 9kHz to initialize all the preset channels. (When this procedure is performed during AM 9kHz STEP, AM TUNING STEP is changed to 10kHz.)

4. SURROUND CLEAR

When [TONE ON/DEFEAT] key is held down and the power is turned on, SOUND FIELD memory is initialized.

5. FL TUBE CHECK/KEY CHECK

When ten-keys [7], [8] and [9] key are pressed simultaneously and the power is turned on, FL Tube TEST Display starts.

- All lighting
- One segment lighting for each digit
- Key count indication

The count is decremented for each key input. When it is down to zero, the [POWER] key is used to terminate this check.

SECTION 2
GENERAL

This section is extracted from instruction manual.

6. DEMO

When SOUND FIELD is turned off and [DISPLAY] key continues to be held down(for 3 seconds), Demonstration starts. If any other key is input, this DEMO stops and processing for that key is done.

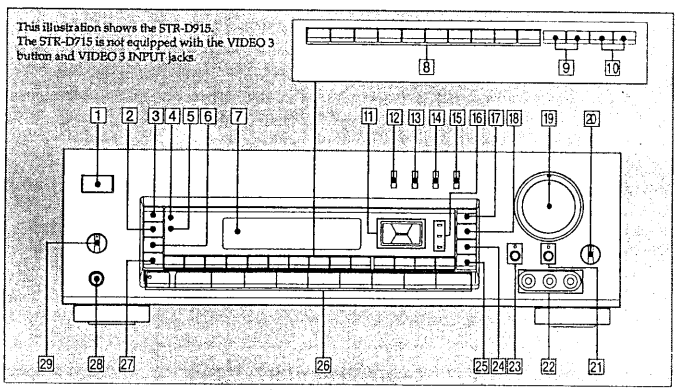
* DEMO causes TONE data for ACOUSTIC and DOLBY SURROUND to be changed and set as follows:
  DOLBY SUR's CENTER MODE=PHANTOM
  REAR/CENTER LEVEL=+6dB
  DELAY TIME=20mS

In case of any key input, the state when DEMO is suspended by key input will be maintained.

• ANOTHER FUNCTION

The function that makes FUNCTION INDEX NAME return into FUNCTION NAME. The way of returning is that select any FUNCTIONs you want then press the same FUNCTION KEY during the INDEX input mode.

Front Panel


This illustration shows the STR-D915.
The STR-D715 is not equipped with the VIDEO 3 button and VIDEO 3 INPUT jacks.
1 2 3 4 5 6 7
8 9 10
11 12 13 14 15 16 17 18 19 20
29 28 27 26 25 24 23 22 21

[1] **POWER switch**

[2] **FM MODE button** (See page 11.)

[3] **FM/AM button** (See pages 11, 12.)

[4] **Remote sensor**

[5] **STANDBY indicator**
(The STANDBY indicator lights up when the power cord is connected.: STR-D915 for Australian model only)

[6] **LEVEL button** (See page 12.)

[7] **Display window**

[8] **Numeric buttons** (See pages 11, 12, 13, 15.)

[9] **INDEX SELECT/TUNING +/– buttons**
(See pages 12, 15.)

[10] **PRESET TUNING +/– buttons** (See pages 13, 15.)

[11] **DIGITAL PROCESSING CONTROL buttons** (See pages 10, 14, 21, 22, 24.)

[12] **SOUND FIELD ON/OFF button** (See pages 21, 22, 24, 25.)

[13] **SOUND FIELD MODE button** (See pages 21, 22, 24, 25.)

[14] **CENTER MODE button** (See pages 20, 21, 24.)

[15] **TONE ON/DEFEAT button** (See pages 24, 25.)

[16] **DPC MODE indicators**

[17] **DPC MODE button** (See pages 10, 14, 21, 22, 24.)

[18] **DISPLAY button** (See pages 10, 12, 13, 14, 15.)

[19] **MASTER VOLUME control** (See page 9.)

[20] **BALANCE control** (See page 9.)

[21] **LOW BOOST button and indicator** (See page 9.)

[22] **VIDEO 3 INPUT jacks** (STR-D915 only)

[23] **MUTING –20 dB button and indicator** (See page 9.)

[24] **SHIFT button** (See pages 12, 13.)

[25] **DIRECT button** (See page 11.)

[26] **Function selectors and TAPE MONITOR button and indicator** (VIDEO 3 button: STR-D915 only)
(See pages 9, 10, 18.)

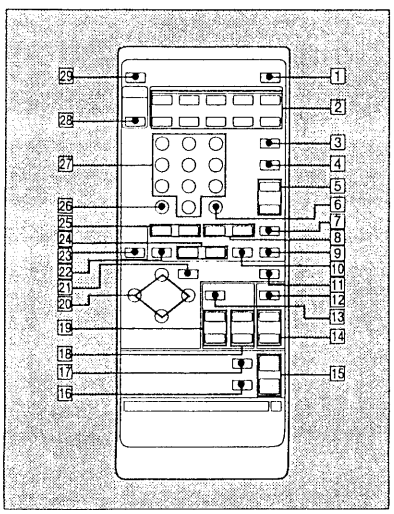
[27] **MEMORY button** (See page 12.)

[28] **HEADPHONES jack**

[29] **SPEAKERS selector** (See page 9.)

RM-U241
(EXCEPT D915:Canadian)

Remote Commander (Except for The STR-D915 for Canadian Model)



1 **SYSTEM OFF button** (See page 16.)

2 **SYSTEM CONTROL/FUNCTION TAPE, DAT/MD, CD, TUNER, PHONO, VIDEO 1 VIDEO 2, VIDEO 3, LD, TV buttons** (See pages 9, 16, 18.)

3 **VISUAL POWER button** (See page 16.)

4 **TV/VIDEO, INDEX button** (See page 16.)

5 **CH/PRESET +/– buttons** (See page 16.)

6 **RMS/START, ENTER button** (See pages 16, 17.)

7 **ANT TV/VTR, D (disc) SKIP button** (See pages 16, 17.)

8 **I◄◄, ►►I button** (See pages 16, 17.)

9 **● button** (See pages 16, 17.)

10 **II button** (See pages 16, 17.)

11 **EQ/TONE ON/OFF button** (See page 24.)

12 **SOUND FIELD ON/OFF button** (See pages 21, 22, 24, 25.)

13 **TEST TONE button** (See page 21.)

14 **SOUND FIELD MODE +/– buttons** (See pages 21, 22, 24, 25.)

15 **MASTER VOL +/– buttons** (See page 9.)

16 **MUTING button** (See page 9.)

17 **LOW BOOST button** (See page 9.)

18 **CENTER LEVEL +/– buttons** (See page 21.)

19 **REAR LEVEL +/– buttons** (See page 21.)

20 **DIGITAL PROCESSING CONTROL buttons** (See pages 10, 14, 21, 22, 24.)

21 **DPC MODE button** (See pages 14, 21, 22, 24.)

22 **RMS CLEAR, ■ button** (See page 16.)

23 **BACK GROUND button** (See page 17.)

24 **◄, ►, RMS DIRECTION buttons** (See page 16.)

25 **◄◄, ►► button** (See pages 16, 17.)

26 **> 10, SHIFT button** (See pages 16, 17.)

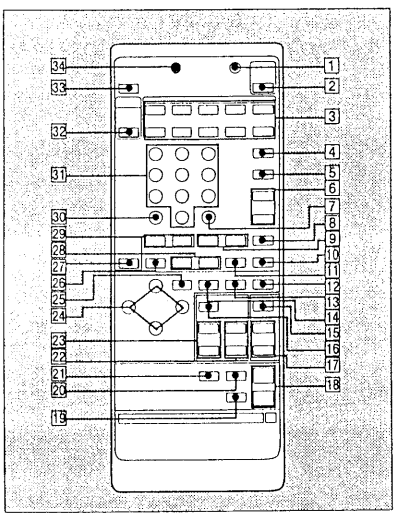
27 **Numeric buttons (1 to 0)** (See pages 11, 12, 13, 15.)

28 **TV CONTROL ON button** (See page 17.)

29 **SLEEP button** (See page 10.)

RM-P341
(D915:Canadian)

Identfying the Parts and Control



1 LEARN button

2 SYSTEM OFF button

3 SYSTEM CONTROL/FUNCTION TAPE, DAT/MD, CD, TUNER, PHONO, VIDEO 1, VIDEO 2, VIDEO 3, LD, TV buttons

4 VISUAL POWER button

5 TV/VIDEO, INDEX button

6 CH/PRESET +/– buttons

7 RMS/START, ENTER button

8 ANT TV/VTR, D (disc) SKIP button

9 I◄◄, ►►I button

10 ● button

11 II button

12 EQ/TONE ON/OFF button

13 EQ SLOPE button

14 EQ BAND button

15 SOUND FIELD ON/OFF button

16 TEST TONE button

17 SOUND FIELD MODE +/– buttons

18 MASTER VOL +/– buttons

19 MUTING button

20 LOW BOOST button

21 DIRECT button

22 CENTER LEVEL +/– buttons

23 REAR LEVEL +/– buttons

24 DIGITAL PROCESSING CONTROL buttons

25 DPC MODE button

26 RMS CLEAR, ■ button

27 BACK GROUND button

28 ◄, ►, RMS DIRECTION buttons

29 ◄◄, ►► button

30 > 10, SHIFT button

31 Numeric buttons (1 to 0)

32 TV CONTROL ON button

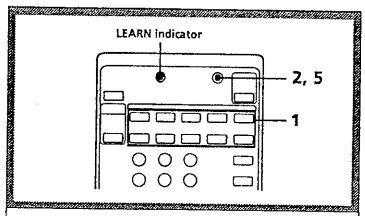
33 SLEEP button

34 LEARN indicator

RM-P341 (D915:Canadian)

Programming Signals of Other Audio/Video Equipment

The remote commander RM-P341 learns various functions of other remote commanders emitting infrared rays and allows you to control most of audio and video equipment from a distance.

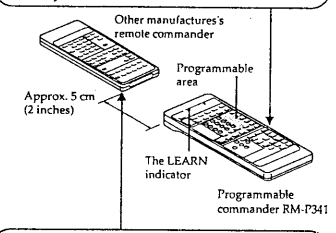


1 **Select the function to be programmed with the FUNCTION buttons.**

2 **Press the LEARN button so that the LEARN indicator lights up.**

3 **Program a signal.**
The buttons you can program differ among the functions. Only the buttons listed in "Operative Buttons" can learn new signals for each function.

① Press the button which shall "learn" the remote-control signal and the LEARN indicator blinks slowly.



② Press and hold the button of other manufacture's remote commander whose signal is to be learned.

③ Remove your finger(s) from the button(s) after the LEARN indicator lights up.

Note
If the button which cannot be programmed is pressed in step ①, the LEARN indicator blinks rapidly.

4 **Repeat operation for each button to be programmed.**

5 **Press the LEARN button.**
The LEARN indicator lights for a few seconds. After the indicator goes off, you can control other equipments with the programmed buttons.

The two remote commanders must:
- face straight each other.
- be placed at a distance of approx. 5 cm (2 inches).
- not be moved during programming operation.

After programming
Be sure to test if the equipment really works with the programmed signals.

Note
If you do not perform the following operation in about one minute after steps 2 and 3-①, the learning mode will be canceled.

Number of signals that the commander can learn
It depends on the format of the signal. If you program signals of Sony equipment, approximately 30 signals can be programmed.

Memory capacity
If the LEARN indicator does not blink or light in step 3-①, ③, the memory capacity has become full. This occurs when other signals stronger than the remote-control signals have been stored because the signals were programmed in a noisy environment or the remote commanders were placed too far apart from each other.
In this case, clear all the signals following the procedure described below and program again from the beginning under the proper conditions.

Notes on programming
- Remote-control signals of equipment of manufactures other than Sony can be programmed only when they are compatible with the infrared wireless remote control system. Since the programmable commander can "learn" only the signals output from another remote commander, it cannot control equipment that does not use a remote commander.
- Don not attempt to use the programmable commander with an air conditioner or other household appliances.
- Note that there are some special remote-control signals that cannot be programmed.
- Even if the POWER of the other manufacture's remote commander is learned, you can not turn on this unit and the other equipment simultaneously with the SYSTEM CONTROL/FUNCTION button.

RM-P341/U241

Programming a New Signal onto a Previously Programmed Button

Follow the programming procedure.
The previously programmed signal is cleared and replaced by the new signal.

To clear a programmed signal
1 Press the LEARN button so that the LEARN indicator lights up.
2 Press the button to be cleared while pressing the BACK GROUND button until the LEARN indicator goes off.

To program a signal onto the ● button for recording
It is not possible to operate any equipment with only the ● button. You can program the rec standby signal and rec start signal under the ● + ► button on RM-P341. With a tape deck, you can also program the signal under the ● + ◄ button (in the reverse direction).

Notes on battery
If the LEARN indicator does not light when a button is pressed, the batteries are almost exhausted.
When the batteries are exhausted, the remote commander can no longer operate the unit or programming becomes impossible.
If his happens, replace both batteries with new ones. We recommend the use of alkaline batteries for prolonged use.

Changing the Settings of the FUNCTION Buttons

You can replace the functions stored in the FUNCTION buttons.

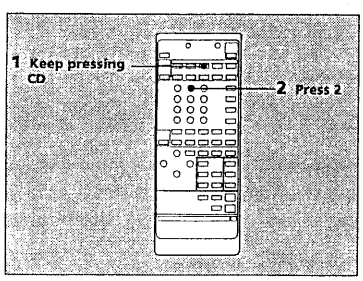
Hold down one of the FUNCTION buttons you want to change and press one of the numeric (1 to 0) buttons to select the desired function.
After changing the setting of the FUNCTION button, the equipment can be operated with the FUNCTION button you have changed.

To return the function to the initial mode, perform the same operation above.

With the numeric buttons from 1 to 0, each function can be selected as described in the following table:

Numeric buttons	The function to be selected
1	CD player
2	DAT deck
3	MD recorder
4	DECK A
5	DECK B
6	LD player
7	VCR 1 (Remote control mode)
8	VCR 2 (Remote control mode)
9	VCR 3 (Remote control mode)
0	TV

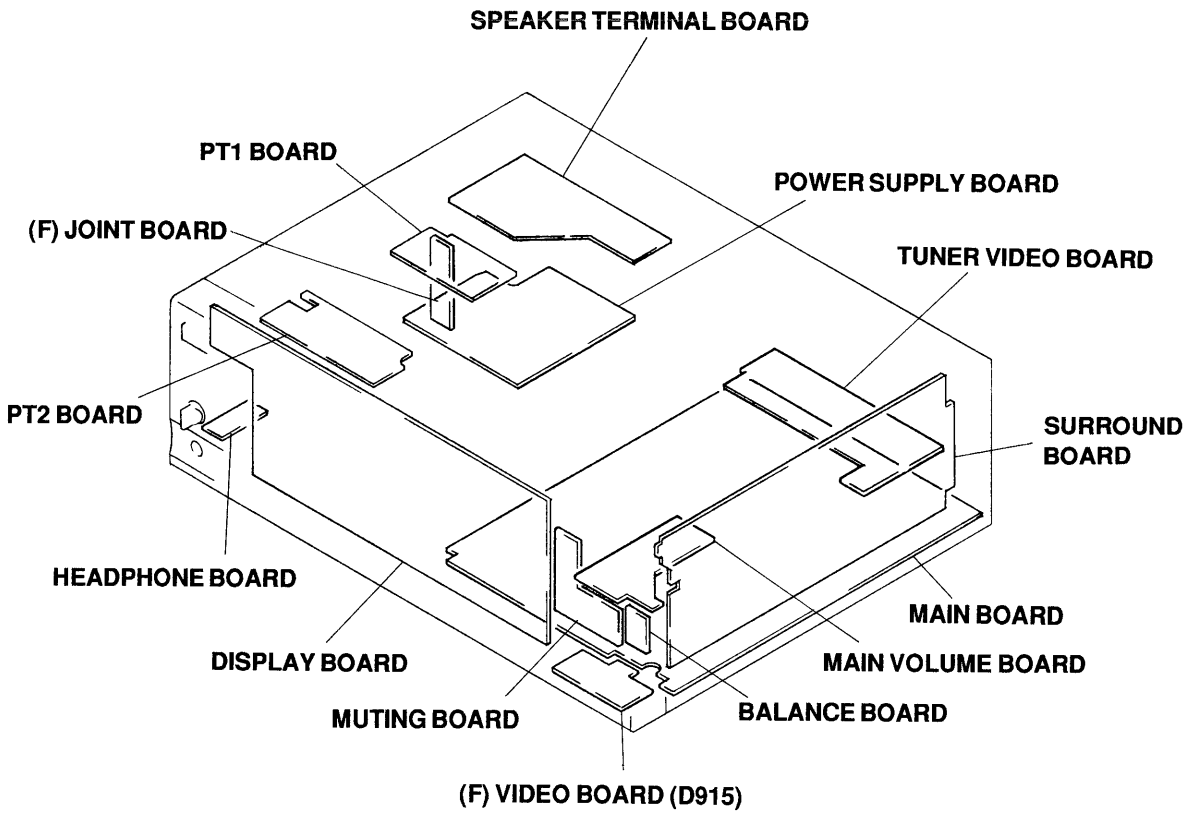
Example: To change the CD FUNCTION button to the DAT function button.



Note
The settings of the TUNER button and the PHONO button cannot be changed.

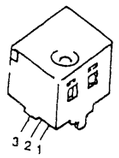
SECTION 3
DIAGRAMS

3-1. CIRCUIT BOARDS LOCATION

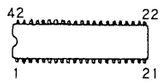


3-2. SEMICONDUCTOR LEAD LAYOUTS

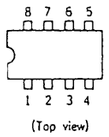
GP1U58XB



LA2785

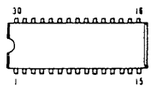


LB1639
M5218AP



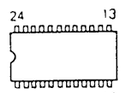
(Top view)

LC7822



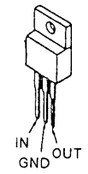
(Top view)

LV1010N

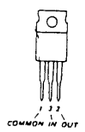


(Top view)

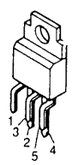
M5F78M05L
TA78M12S



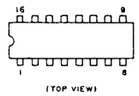
M5F79M12L



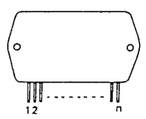
SI-18752



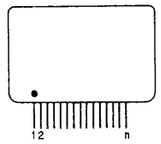
SN74HC151AN
SN74HC237AN
SN761200N
TC9184P



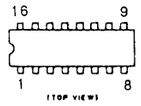
STK350-130



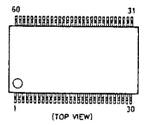
STK3102-MK3



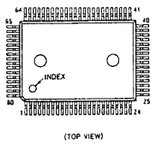
TC9174P



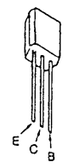
TD62C950RF



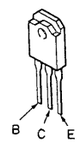
uPD75518GF-195-3B9



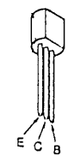
DTA114ES
DTA124ES
DTC114ES
DTC124ES
2SC2785-FEK
2SC3623A-LK



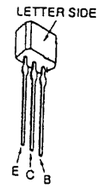
MN2488-OPY-M
MN1620-OPY-M
2SB1560-OPY-M
2SD2390-OPY-M



2SA988-PAFAEA

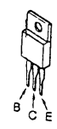


2SA1175-HFE



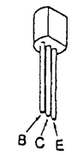
2SC1841-PAFAEA

2SC4495
2SD2012

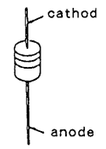


2SD774-34
2SD809-K

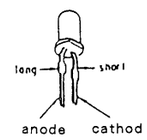
2SK246-GR3



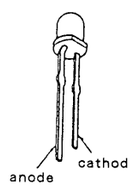
HZS4ALL
HZS6C3L
UZL-9H3
UZL-36H
UZP-5.6B
11ES2



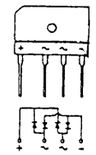
SEL2210S-CD



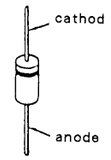
SEL2810A



RBA-402
RBV-602-01



1S1585
1N4148M

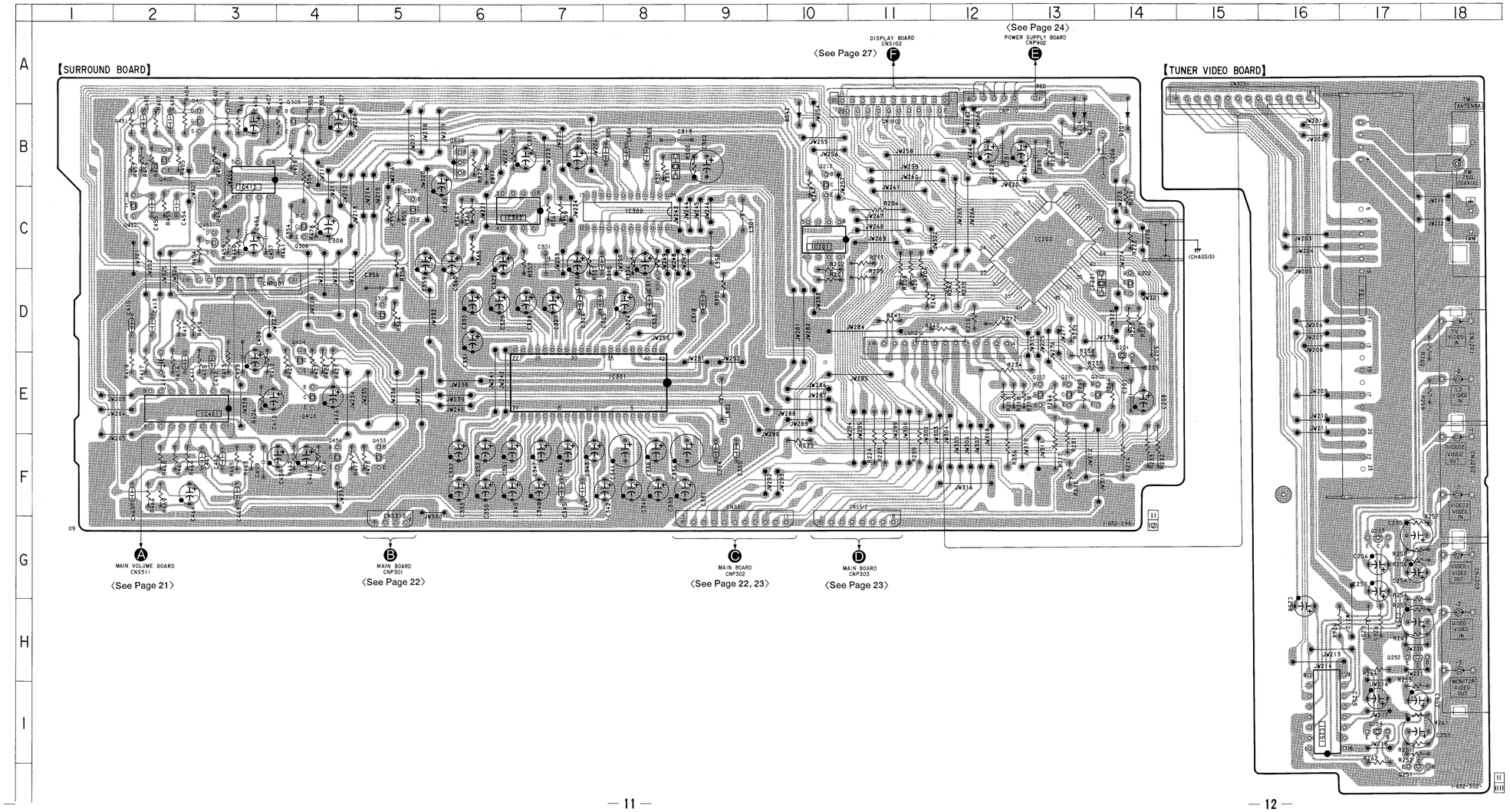


3-3. PRINTED WIRING BOARDS — SURROUND SECTION —

- See page 7 for Circuit Boards Location.
- See page 8 for Semiconductor Lead Layouts.

- **Semiconductor Location**

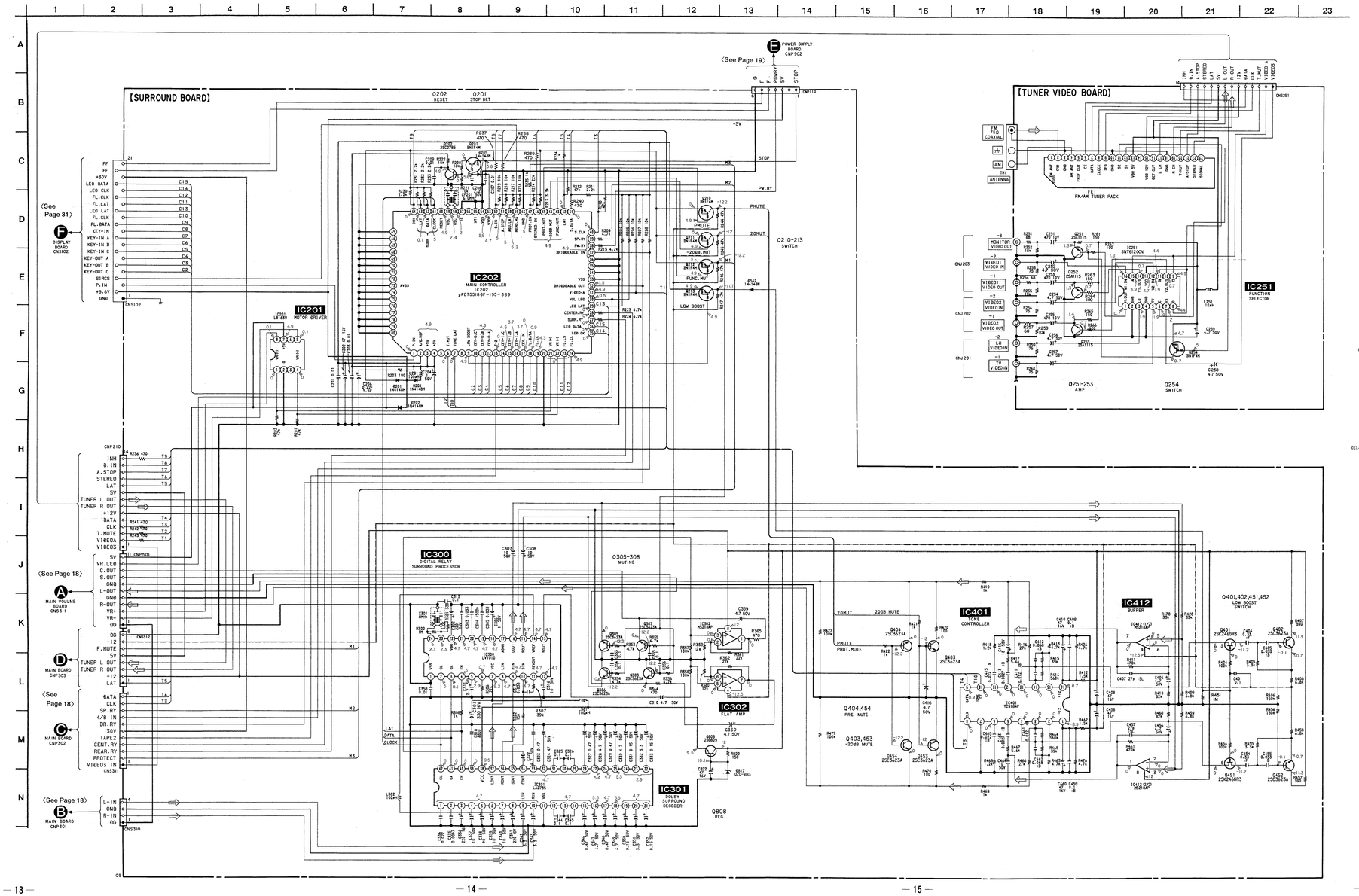
Ref. No.	Location
D201	B-14
D202	B-13
D204	B-13
D205	E-14
[illegible]2	B-10
[illegible]	B-6
[illegible]01	C-10
IC202	C-13
IC251	I-16
IC300	C-8
IC301	E-8
IC302	C-6
IC401	E-3
IC412	B-3
Q201	D-14
Q202	D-14
Q210	E-14
Q211	E-13
Q212	E-13
Q213	B-10
Q251	J-17
Q252	H-17
Q253	G-17
Q254	I-17
Q305	A-4
Q306	C-4
Q307	C-5
Q308	D-5
Q401	A-3
Q402	B-2
Q403	E-4
Q404	D-4
Q451	C-3
Q452	C-2
Q453	F-5
Q454	F-4
Q808	B-6



Note:
- ⟜—— : parts extracted from the component side.
- ▒▒▒ : Pattern from the side which enable seeing.

3-4. SCHEMATIC DIAGRAM — SURROUND SECTION —

• See page 34 for IC Pin Functions. (IC202)



Note:

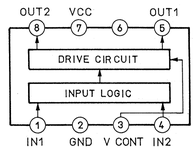
- All capacitors are in μF unless otherwise noted. pF: μF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.
- △ : internal component.
- ▭ : panel designation.

Note:	Note:
The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

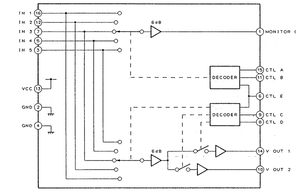
- ——: B+ Line
- ═══: B– Line
- Voltage and waveforms are dc with respect to ground under no-signal conditions. no mark : FM
- Voltages are taken with a VOM (Input impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.
- Signal path. ⇨ : FM

• IC Block Diagrams.

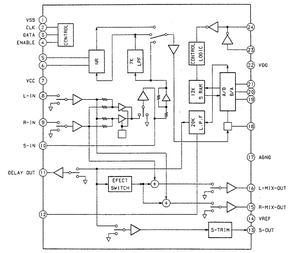
IC201 LB1639



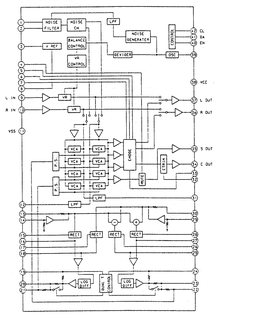
IC251 SN761200N



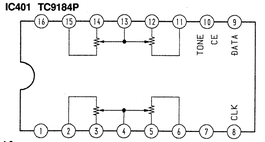
IC300 LV1010



IC301 LA2785



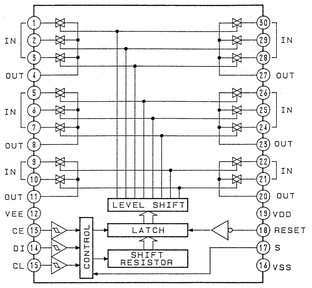
IC401 TC9184P



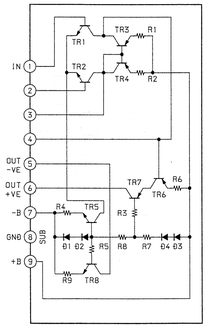
3-5. SCHEMATIC DIAGRAM — MAIN SECTION —

- **IC Block Diagrams.**

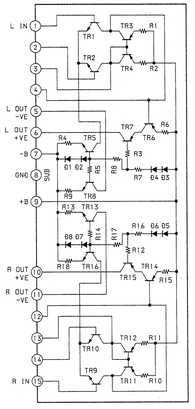
IC502, 503 LC7822



IC601 STK350-130



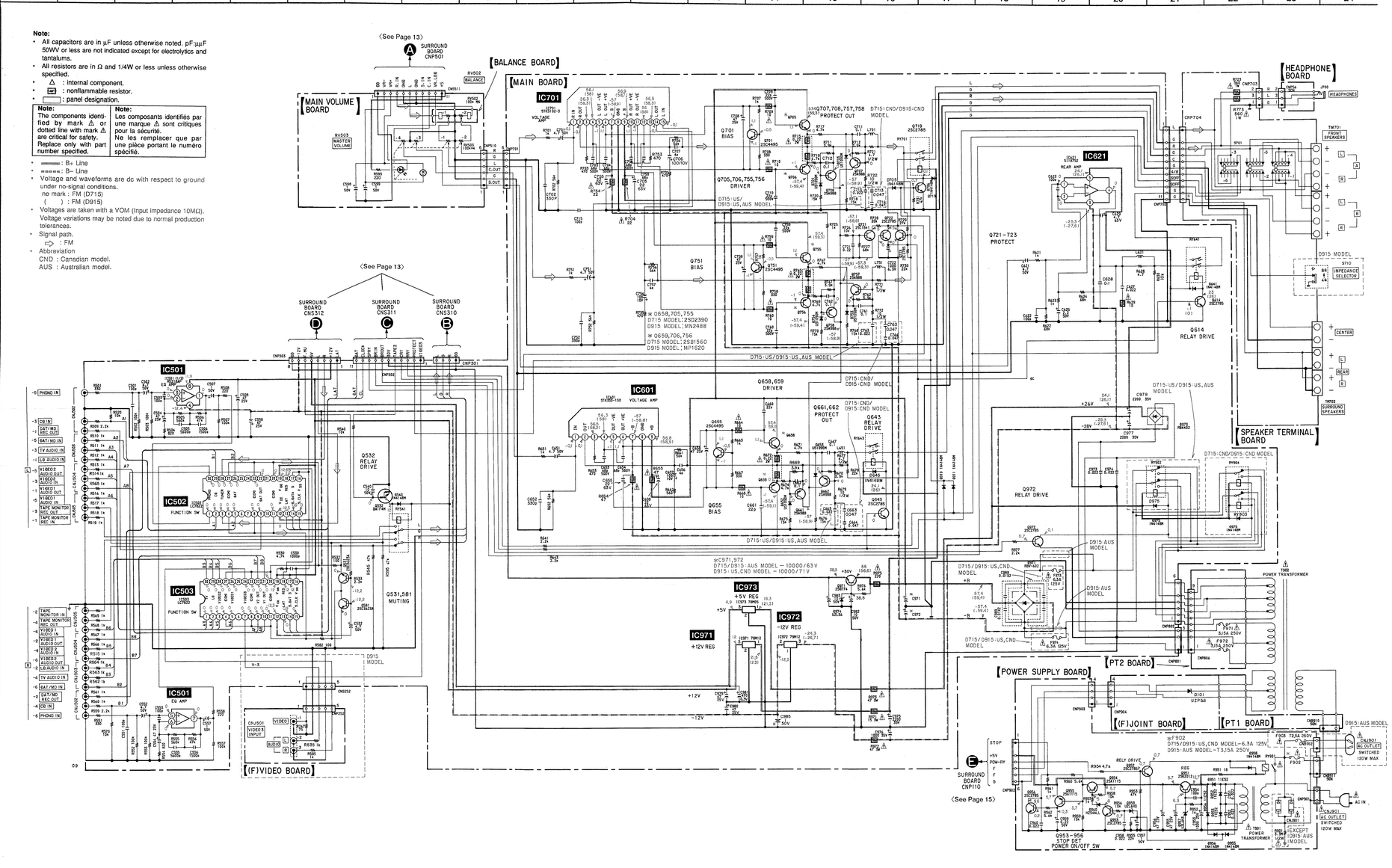
IC701 STK3102-3



Note:
- All capacitors are in μF unless otherwise noted. pF:μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.
- △ : internal component.
- ▭ : nonflammable resistor.
- ▭ : panel designation.

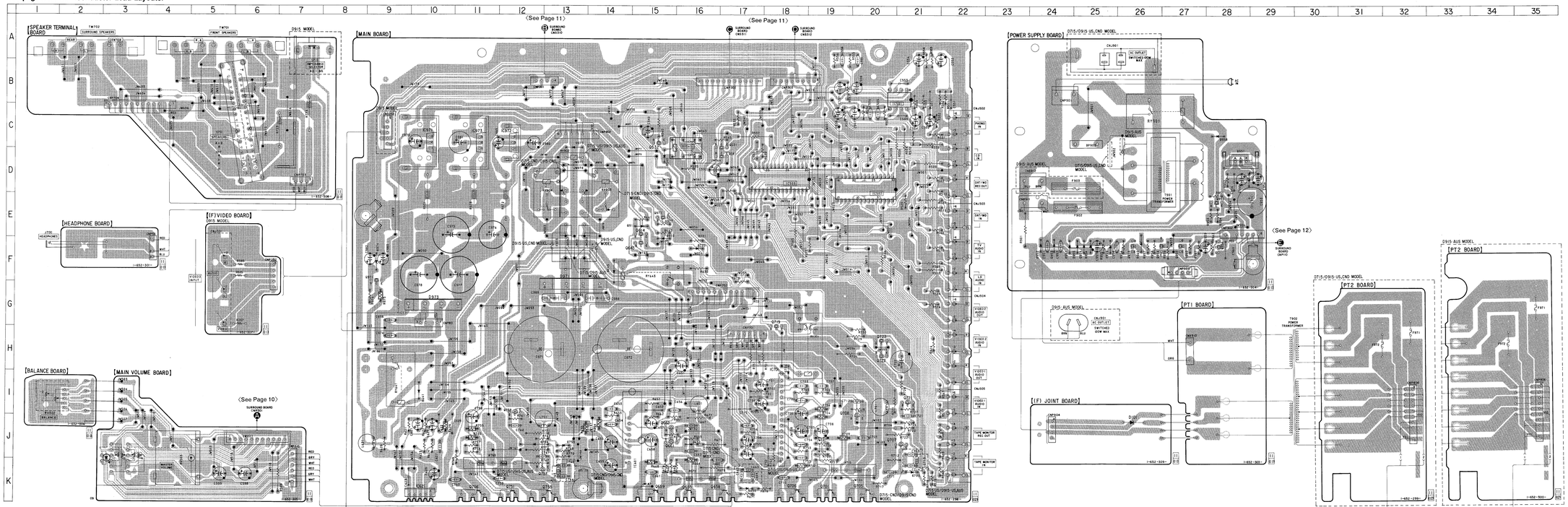
Note:	**Note:**
The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- ▬▬ : B+ Line
- ▬▬ : B− Line
- Voltage and waveforms are dc with respect to ground under no-signal conditions.
  no mark : FM (D715)
  ( ) : FM (D915)
- Voltages are taken with a VOM (Input impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.
- Signal path.
  ▭▷ : FM
- Abbreviation
  CND : Canadian model.
  AUS : Australian model.



3-6. PRINTED WIRING BOARDS — MAIN SECTION —

- See page 7 for Circuit Boards Location.
- See page 8 for Semiconductor Lead Layouts.



— 21 —

— 22 —

— 23 —

— 24 —

— 25 —

• Semiconductor Location

Ref. No.	Location	Ref. No.	Location
D101	J-26	IC972	C-12
D540	D-15	IC973	C-11
D641	I-10		
D645	F-14	Q531	C-17
D652	J-16	Q532	C-15
D653	K-17	Q581	D-17
D703	K-21	Q614	E-15
D704	J-20	Q643	F-14
D705	F-16	Q655	K-16
D706	H-18	Q658	K-17
D753	J-13	Q659	K-15
D754	J-13	Q661	J-15
D910	E-15	Q662	J-15
D911	E-15	Q701	K-19
D951	F-24	Q705	K-20
D952	F-24	Q706	K-18
D953	F-24	Q707	J-21
D954	F-25	Q708	J-19
D955	F-25	Q719	G-18
D956	F-25	Q721	I-21
D957	D-29	Q722	H-20
D958	C-28	Q723	H-20
D959	F-25	Q751	K-12
D960	F-26	Q755	K-13
D971	F-13	Q756	K-11
D973	G-10	Q757	K-13
D974	F-9	Q758	I-12
D975	C-13	Q951	D-28
		Q952	E-28
IC501	B-21	Q953	F-26
IC502	D-20	Q954	F-27
IC503	D-18	Q955	F-27
IC601	K-15	Q956	F-28
IC621	K-10	Q971	F-9
IC701	I-18	Q972	E15
IC971	C-10		

Note:

- ○——: parts extracted from the component side.
- ▒▒▒▒: Pattern from the side which enable seeing.
- Abbreviation
  CND : Canadian model.
  AUS : Australian model.

3-7. PRINTED WIRING BOARDS — DISPLAY SECTION —

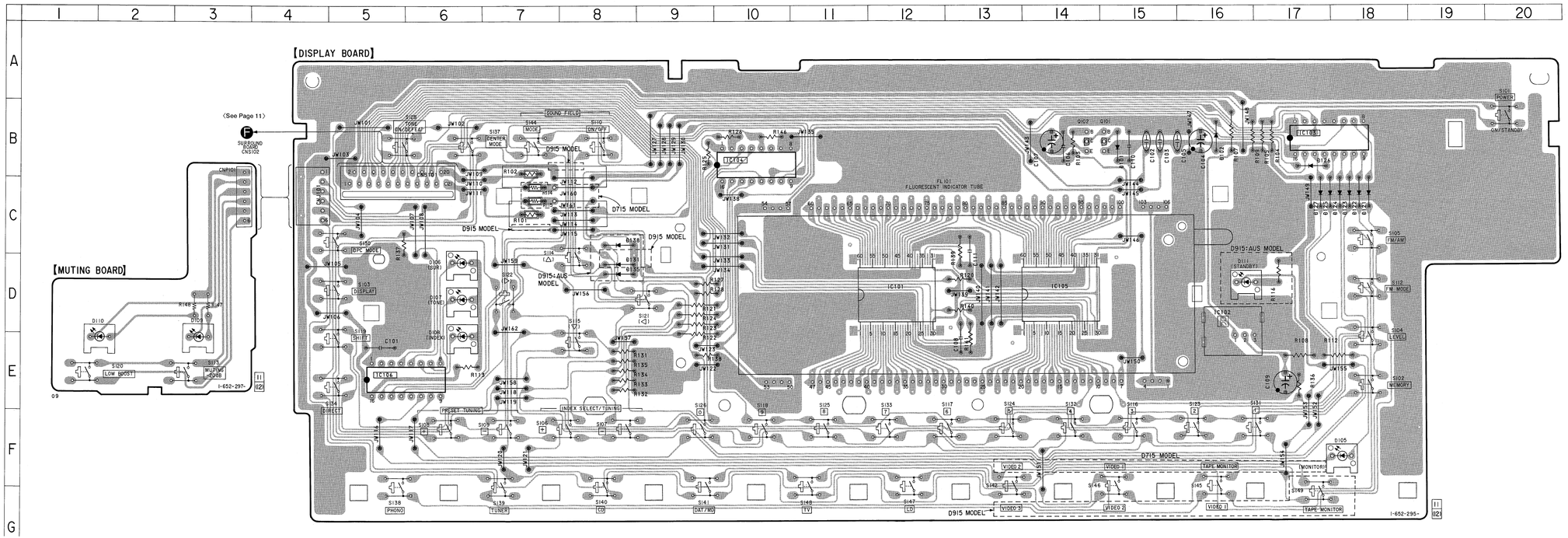
- See page 7 for Circuit Boards Location.
- See page 8 for Semiconductor Lead Layouts.

• Semiconductor Location

Ref. No.	Location
D101	B-15
D102	B-16
D105	F-18
D106	D-6
D107	D-6
D108	D-6
D109	D-3
D110	D-2
D111	D-16
D121	C-18
D122	C-18
D123	C-18
D124	C-18
D125	C-17
D126	B-17
D127	C-17
D131	D-8
D135	D-8
D138	C-8
IC101	D-12
IC102	D-16
IC103	B-17
IC104	B-10
IC105	F-18
IC106	E-5
Q101	B-15
Q102	B-14

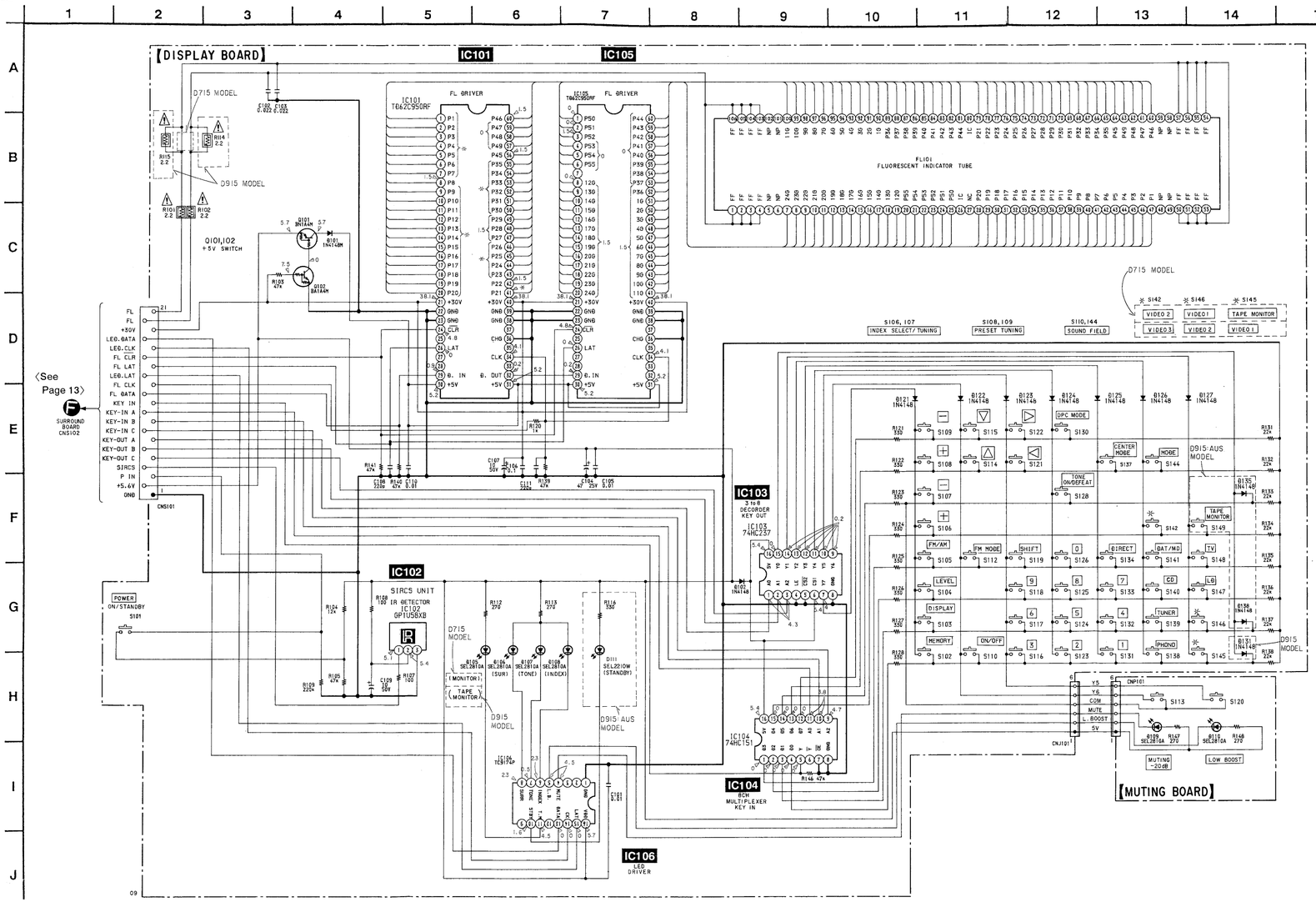
Note:

- : Pattern from the side which enable seeing.
- Abbreviation
  AUS : Australian model.



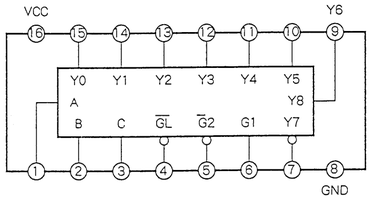
3-8. SCHEMATIC DIAGRAM — DISPLAY SECTION —

• See page 36 for IC Pin Functions. (IC106)

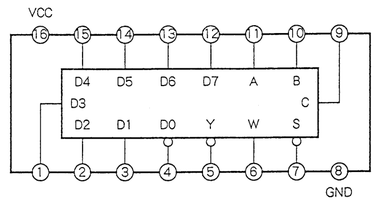


- IC Block Diagrams.

IC103 74HC237



IC104 74HC151



Note:

- All capacitors are in µF unless otherwise noted. pF:µµF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.
- : nonflammable resistor.
- : panel designation.

Note:	Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- : B+ Line
- Voltage and waveforms are dc with respect to ground under no-signal conditions.
  no mark : FM
  ※ : can not be measured.
- Voltages are taken with a VOM (Input impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.
- Abbreviation
  AUS : Australian model.

3-9. IC PIN FUNCTIONS

- **IC202 (μPD75518GF-195-3B9) MAIN CONTROLLER**

Pin No.	Pin Name	I/O	Function
1	P. IN	I	POWER IN
2	A/D. REF	–	REFERENCE VOLTAGE OF A/D CONVERTER (+5V)
3	+5V	–	+5V
4	+5V	–	+5V
5	–	O	OPEN
6	T. MUT	O	TUNER MUTE
7	TONE. LAT	O	TONE latch
8	–	O	OPEN
9	LOW BOOST	O	LOW BOOST ON/OFF
10	KEY-O. C	O	KEY OUT CONTROL A0
11	KEY-O. B	O	KEY OUT CONTROL A1
12	KEY-O. A	O	KEY OUT CONTROL A2
13	T-2	O	TAPE MONITOR ON/OFF
14	KEY-I. C	O	KEY IN CONTROL A0
15	KEY-I. B	O	KEY IN CONTROL A1
16	KEY-I. A	O	KEY IN CONTROL A2
17	KEY. IN	I	KEY INPUT
18	FL. DATA	O	FL DRIVER SERIAL DATA
19	FL. CK	O	FL DRIVER SERIAL CLOCK
20	–	O	GND
21	VR (+)	O	VOLUME UP control
22	VR (–)	O	VOLUME DOWN control
23	FL. LS	O	FL DRIVER LATCH
24	FL. CL	O	FL DRIVER CLEAR
25	LED CK	O	LED clock
26	LED DATA	O	LED data
27	SURR. RY	O	SURROUND RELAY drive
28	CENTER. RY	O	CENTER RELAY drive
29	LED LAT	O	LED latch (PULL-UP: 2.2k)
30	VOL LED	O	VOLUME LED drive (PULL-UP: 2.2k)
31	VIDEO-A	O	VIDEO A SELECT (PULL-UP: 2.2k)
32	BRIDGEABLE OUT	O	SP=8Ω : 2CH → "L", SURR → "H"/SP=4Ω : ALL "H" (PULL-UP: 2.2k)
33	Vss	–	GND
34	–	I	GND (PULL-UP: 2.2k)
35	–	I	GND (PULL-UP: 2.2k)
36	–	I	GND (PULL-UP: 2.2k)
37	BRIDGEABLE IN	I	SP4Ω /8Ω SELECT4Ω = "L" 8Ω ="H" (PULL-UP: 2.2k)
38	PW. RY	O	POWER RELAY drive
39	SP. RY	O	SPEAKER RELAY drive
40	S. CLK	O	SERIAL CLOCK

Pin No.	Pin Name	I/O	Function
41	S. DATA	O	SERIAL DATA
42	LAT	O	SERIAL LATCH
43	FUNC. MUT	O	FUNCTION MUTE
44	-20DB. MUT	O	-20dB MUTE
45	PROT. MUT	O	PROTECTOR MUTE (Use a things S-MUTE)
46	STEREO. IN	I	TUNER STEREO SIGNAL INPUT (PULL-UP: 10k)
47	PROT. IN	I	PROTECTOR INPUT (PULL-UP: 10k)
48	GND	–	GND (PULL-UP: 10k)
49	REMO. MA	I	REMOTE CONTROL INPUT (PULL-UP: 10k)
50	ADJ. LAT	I	AUTO MEASUREMENT LATCH (PULL-UP: 10k)
51	A. STOP	I	TUNER AUTO STOP (PULL-UP: 10k)
52	D. IN	I	IF COUNT DATA INPUT (PULL-UP: 10k)
53	STOP	I	STOP DETECT
54	Vss	–	GND
55	XT1	–	GND
56	–	–	OPEN
57	IC	–	GND
58	OSC	–	CRYSTAL OSCILLATOR 6MHz
59	OSC	–	CRYSTAL OSCILLATOR 6MHz
60	RESET	I	RESET INPUT
61	SURR CLOCK	O	Serial clock for surround IC (LV1010, LA2785) (PULL-UP: 2.2k)
62	SURR DATA	O	Serial data for surround IC (LV1010, LA2785) (PULL-UP: 2.2k)
63	SURR LAT	O	Serial latch for surround IC (LV1010, LA2785) (PULL-UP: 2.2k)
64	INH	O	Inhidit output for VIDEO MONITOR OUT (PULL-UP: 2.2k)
65	–	I	GND
66	–	I	GND
67	–	I	GND
68	–	I	GND
69	–	I	GND
70	–	I	GND
71	–	I	GND
72	–	I	GND
73	Vss	–	GND
74	–	I	GND
75	–	I	GND
76	–	I	GND
77	–	I	GND
78	–	I	GND
79	–	I	GND
80	–	I	GND

- **IC106 (TC9174P) LED DRIVER**

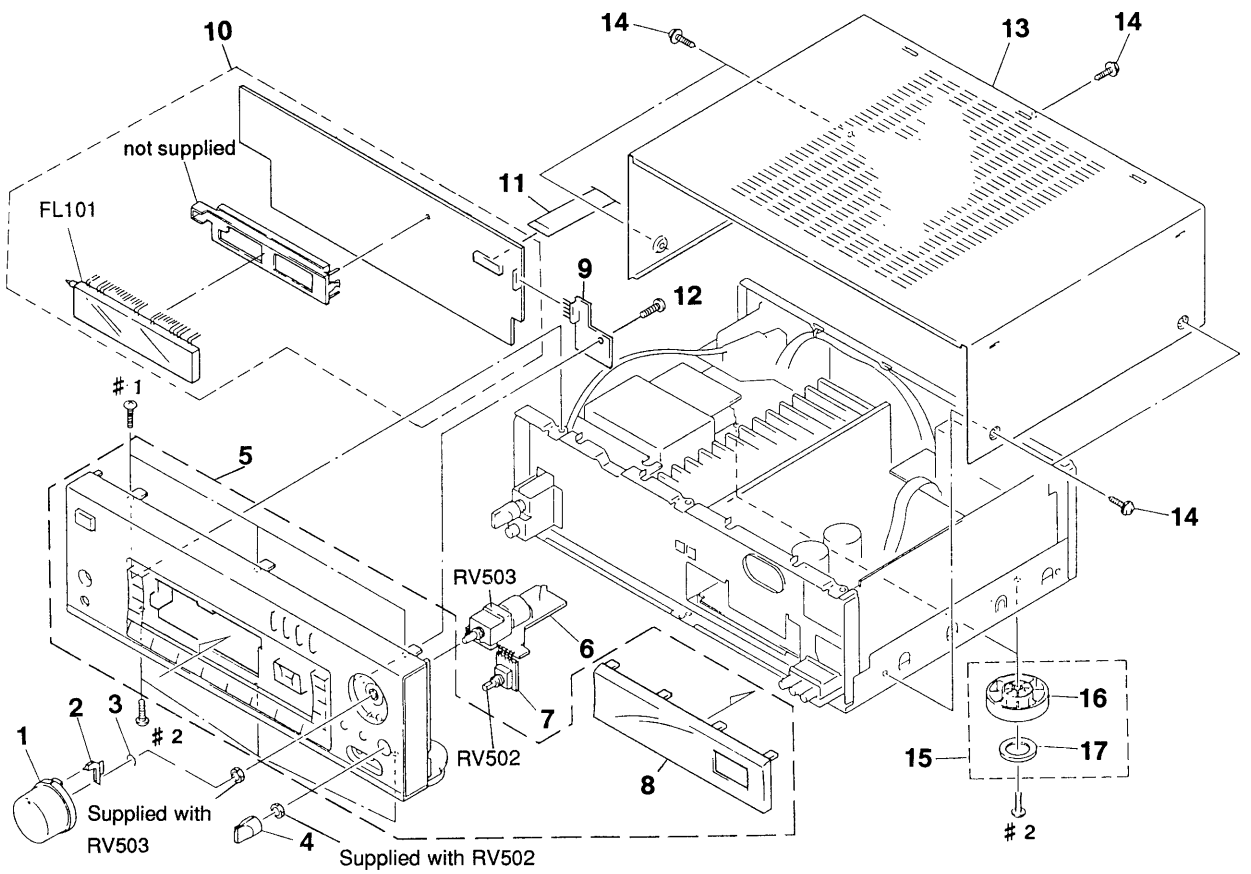
Pin No.	Pin Name	I/O	Function
1	GND	–	GND
2	NC	–	Not used
3	NC	–	Not used
4	MUTE	O	MUTING LED drive
5	L.B.	O	LOW BOOST LED drive
6	INDEX	O	INDEX LED drive
7	TONE	O	TONE LED drive
8	SURR	O	SUR LED drive
9	NC	–	Not used
10	STBY	O	STANDBY LED drive (D915: Australian model)
11	T.M	O	MONITOR LED (D715), TAPE MONITOR LED (D915) drive
12	NC	–	Not used
13	DATA	I	Serial data input
14	CK	I	Serial clock input
15	LAT	I	Serial latch input
16	V_{DD}	–	+5.6V

SECTION 4
EXPLODED VIEWS

NOTE:
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list and accessories and packing materials are given in the last of this parts list.
- Abbreviation
  CND : Canadian model
  AUS : Australian model

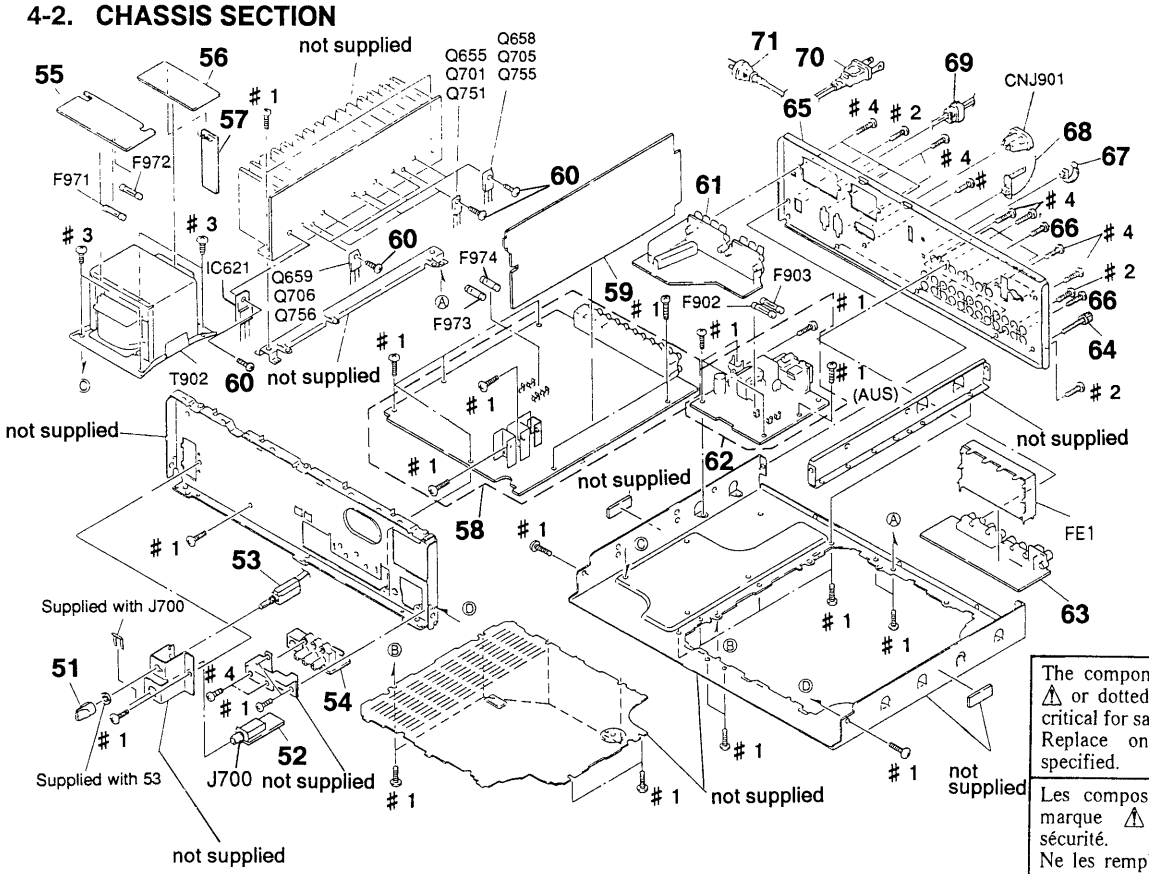
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

4-1. CABINET SECTION



Ref. No.	Part No.	Description	Remark
1	4-949-659-01	KNOB (VOL-NEW)	
2	4-958-991-01	PLATE (VOL), LIGHT GUIDE	
3	3-350-426-01	SPRING, RING	
4	4-957-383-01	KNOB (F14)	
5	X-4944-830-1	PANEL ASSY, FRONT (D915:US, CND)	
5	X-4944-831-1	PANEL ASSY, FRONT (D915:AUS)	
5	X-4944-832-1	PANEL ASSY, FRONT (D715)	
* 6	1-652-305-11	MAIN VOLUME BOARD	
* 7	1-652-306-11	BALANCE BOARD	
8	4-965-948-01	PLATE (B), INDICATION (EXCEPT D915:AUS)	
8	4-965-948-11	PLATE (B), INDICATION (D915:AUS)	
* 9	1-652-297-11	MUTING BOARD	
* 10	A-4369-963-A	DISPLAY BOARD, COMPLETE (D915:US, CND)	
* 10	A-4369-964-A	DISPLAY BOARD, COMPLETE (D915:AUS)	
* 10	A-4369-969-A	DISPLAY BOARD, COMPLETE (D715)	
11	1-765-290-11	WIRE (FLAT TYPE) (21 CORE)	
12	4-951-620-01	SCREW (2.6X8), +BVTP	
13	4-931-031-11	CASE	
14	3-704-366-01	SCREW (CASE) (M3X8)	
15	X-4941-291-1	FOOT ASSY (F58175S) (EXCEPT D915:AUS)	
15	X-4941-292-1	FOOT ASSY (F58175S) (D915:AUS)	
16	3-318-688-31	FOOT (F58175S) (D915:AUS)	
16	3-318-688-51	FOOT (F58175S) (EXCEPT D915:AUS)	
17	4-923-836-21	CUSHION	
FL101	1-517-305-11	INDICATOR TUBE, FLUORESCENT	

4-2. CHASSIS SECTION



The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une piéce portant le numéro spécifié.

Ref. No.	Part No.	Description	Remark
51	4-957-383-01	KNOB (F14)	
* 52	1-652-301-11	HEADPHONE BOARD	
53	1-572-291-41	SWITCH, ROTARY SLIDE	
* 54	1-652-307-11	(F) VIDEO BOARD (D915)	
* 55	1-652-299-11	PT2 BOARD (EXCEPT D915:AUS)	
* 55	1-652-300-11	PT2 BOARD (D915:AUS)	
* 56	1-652-303-11	PT1 BOARD	
* 57	1-652-309-11	(F) JOINT BOARD	
* 58	A-4369-953-A	MAIN BOARD, COMPLETE (D915:US)	
* 58	A-4369-962-A	MAIN BOARD, COMPLETE (D915:CND)	
* 58	A-4369-971-A	MAIN BOARD, COMPLETE (D715:US)	
* 58	A-4369-973-A	MAIN BOARD, COMPLETE (D715:CND)	
* 58	A-4371-665-A	MAIN BOARD, COMPLETE (D915:AUS)	
* 59	A-4369-951-A	SURROUND BOARD, COMPLETE	
60	3-905-609-01	SCREW (TRANSISTOR)	
* 61	1-652-308-11	SPEAKER TERMINAL BOARD	
* 62	A-4369-957-A	POWER SUPPLY BOARD, COMPLETE (EXCEPT D915:AUS)	
* 62	A-4369-966-A	POWER SUPPLY BOARD, COMPLETE (D915:AUS)	
* 63	1-652-302-11	TUNER VIDEO BOARD	
64	4-947-010-01	SCREW, FEEDER FIXED	
* 65	4-965-957-01	PANEL, BACK (D915:US)	
* 65	4-965-957-11	PANEL, BACK (D915:CND)	
* 65	4-965-957-21	PANEL, BACK (D915:AUS)	
* 65	4-965-957-31	PANEL, BACK (D715:US)	
* 65	4-965-957-41	PANEL, BACK (D715:CND)	
66	3-704-515-01	SCREW (BV/RING)	
* 67	4-949-235-01	HOOK (EXCEPT D915:AUS)	
68	4-956-370-12	BAND, PLUG FIXED (D915:AUS)	
* 69	3-703-244-00	BUSHING (2104), CORD	
⚠70	1-690-609-11	CORD, POWER (EXCEPT D915:AUS)	
⚠71	1-696-848-21	CORD, POWER (D915:AUS)	
⚠CNJ901	1-251-078-11	OUTLET, AC. (D915:AUS)	
⚠F902	1-532-237-00	FUSE, TIME LAG (T3.15A/250V) (D915:AUS)	
⚠F902	1-532-748-11	FUSE, GLASS TUBE (6.3A/125V) (EXCEPT D915:AUS)	
⚠F903	1-532-286-00	FUSE (T2.5A/250V) (D915:AUS)	
⚠F971	1-532-237-00	FUSE, TIME LAG (T3.15A/250V) (D915:AUS)	
⚠F971	1-576-107-11	FUSE (3.15A/250V) (EXCEPT D915:AUS)	
⚠F972	1-532-237-00	FUSE, TIME LAG (T3.15A/250V) (D915:AUS)	
⚠F972	1-576-107-11	FUSE (3.15A/250V) (EXCEPT D915:AUS)	
⚠F973	1-532-748-11	FUSE, GLASS TUBE (6.3A/125V) (EXCEPT D915:AUS)	
⚠F974	1-532-748-11	FUSE, GLASS TUBE (6.3A/125V) (EXCEPT D915:AUS)	
FE1	1-239-727-11	ENCAPSULATED COMPONENT (FCC) (EXCEPT D915:AUS)	
FE1	1-239-611-11	ENCAPSULATED COMPONENT (D915:AUS)	
IC621	8-759-502-33	IC SI-18752	
Q655	8-729-026-08	TRANSISTOR 2SC4495	
Q658	8-729-022-16	TRANSISTOR 2SD2390-OPY-M (D715)	
Q658	8-749-010-25	TRANSISTOR MN2488-OPY-M (D915)	
Q659	8-729-022-15	TRANSISTOR 2SB1560-OPY-M (D715)	
Q659	8-749-010-26	TRANSISTOR MP1620-OPY-M (D915)	
Q701	8-729-026-08	TRANSISTOR 2SC4495	
Q705	8-729-022-16	TRANSISTOR 2SD2390-OPY-M (D715)	
Q705	8-749-010-25	TRANSISTOR MN2488-OPY-M (D915)	
Q706	8-729-022-15	TRANSISTOR 2SB1560-OPY-M (D715)	
Q706	8-749-010-26	TRANSISTOR MP1620-OPY-M (D915)	
Q751	8-729-026-08	TRANSISTOR 2SC4495	
Q755	8-729-022-16	TRANSISTOR 2SD2390-OPY-M (D715)	
Q755	8-749-010-25	TRANSISTOR MN2488-OPY-M (D915)	
Q756	8-729-022-15	TRANSISTOR 2SB1560-OPY-M (D715)	
Q756	8-749-010-26	TRANSISTOR MP1620-OPY-M (D915)	
⚠T902	1-423-637-11	TRANSFORMER, POWER (D715:US)	
⚠T902	1-423-638-11	TRANSFORMER, POWER (D715:CND)	
⚠T902	1-426-756-11	TRANSFORMER, POWER (D915:US)	
⚠T902	1-426-757-11	TRANSFORMER, POWER (D915:CND)	
⚠T902	1-426-758-11	TRANSFORMER, POWER (D915:AUS)	

SECTION 5
ELECTRICAL PARTS LIST BALANCE DISPLAY

NOTE:

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une piéce portant le numéro spécifié.

When indicating parts by reference number, please include the board name.

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- Hardware (# mark) list and accessories and packing materials are given in the last of this parts list.
- Abbreviation
  CND : Canadian model
  AUS : Australian model

- RESISTORS
  All resistors are in ohms
  METAL: Metal-film resistor
  METAL OXIDE: Metal Oxide-film resistor
  F : nonflammable
- SEMICONDUCTORS
  In each case, u: μ , for example:
  uA...: μA..., uPA...: μPA...,
  uPB...: μPB..., uPC...: μPC...,
  uPD...: μPD...
- CAPACITORS
  uF : μF
- COILS
  uH : μH

Ref.No.	Part No.	Description				Remark
*	1-652-306-11	BALANCE BOARD				
		**********				
		< VARIABLE RESISTOR >				
RV502	1-238-965-21	RES, VAR, CARBON 100K/100K (BALANCE)				
**********						
*	A-4369-963-A	DISPLAY BOARD, COMPLETE (D915:US, CND)				
		**********				
*	A-4369-964-A	DISPLAY BOARD, COMPLETE (D915:AUS)				
		**********				
*	A-4369-969-A	DISPLAY BOARD, COMPLETE (D715)				
		**********				
		< CAPACITOR >				
C101	1-161-379-00	CERAMIC	0.01uF	20%	25V	
C102	1-164-097-11	CERAMIC	0.022uF		50V	
C103	1-164-097-11	CERAMIC	0.022uF		50V	
C104	1-124-477-11	ELECT	47uF	20%	25V	
C105	1-164-096-11	CERAMIC	0.01uF		50V	
C106	1-164-159-11	CERAMIC	0.1uF		50V	
C107	1-126-795-11	ELECT	10uF	20%	50V	
C108	1-162-286-31	CERAMIC	220PF	10%	50V	
C109	1-126-795-11	ELECT	10uF	20%	50V	
C110	1-161-379-00	CERAMIC	0.01uF	20%	25V	
C111	1-162-286-31	CERAMIC	220PF	10%	50V	
		< CONNECTOR >				
* CNJ101	1-565-482-11	CONNECTOR, BOARD TO BOARD 6P				
CNS101	1-691-651-11	SOCKET, CONNECTOR 21P				
		< DIODE >				
D101	8-719-987-63	DIODE 1N4148M				
D102	8-719-987-63	DIODE 1N4148M				
D105	8-719-301-49	LED SEL2810A (MONITOR) (D715)				
D105	8-719-301-49	LED SEL2810A (TAPE MONITOR) (D915)				
D106	8-719-301-49	LED SEL2810A (SUR)				
D107	8-719-301-49	LED SEL2810A (TONE)				
D108	8-719-301-49	LED SEL2810A (INDEX)				
D111	8-719-301-37	LED SEL2210S-CD (STANDBY) (D915:AUS)				
D121	8-719-987-63	DIODE 1N4148M				
D122	8-719-987-63	DIODE 1N4148M				
D123	8-719-987-63	DIODE 1N4148M				
D124	8-719-987-63	DIODE 1N4148M				
D125	8-719-987-63	DIODE 1N4148M				
D126	8-719-987-63	DIODE 1N4148M				
D127	8-719-987-63	DIODE 1N4148M				
D131	8-719-987-63	DIODE 1N4148M (D915)				
D135	8-719-987-63	DIODE 1N4148M (D915:AUS)				
D138	8-719-987-63	DIODE 1N4148M (D915:AUS)				
		< FLUORESCENT INDICATOR >				
FL101	1-517-305-11	INDICATOR TUBE, FLUORESCENT				
		< IC >				
IC101	8-759-075-35	IC TD62C950RF				
IC102	8-749-923-11	IC GP1U58XB				
IC103	8-759-921-32	IC SN74HC237AN				
IC104	8-759-916-48	IC SN74HC151AN				
IC105	8-759-075-35	IC TD62C950RF				
IC106	8-759-202-07	IC TC9174P				
		< TRANSISTOR >				
Q101	8-729-900-61	TRANSISTOR DTA114ES				
Q102	8-729-900-80	TRANSISTOR DTC114ES				
		< RESISTOR >				
⚠R101	1-249-385-11	CARBON	2.2	5%	1/6W	F
⚠R102	1-249-385-11	CARBON	2.2	5%	1/6W	F
R103	1-249-437-11	CARBON	47K	5%	1/4W	
R104	1-249-430-11	CARBON	12K	5%	1/4W	
R105	1-249-437-11	CARBON	47K	5%	1/4W	
R107	1-247-807-31	CARBON	100	5%	1/4W	
R108	1-247-807-31	CARBON	100	5%	1/4W	
R109	1-247-887-00	CARBON	220K	5%	1/4W	
R112	1-249-410-11	CARBON	270	5%	1/4W	F
R113	1-249-410-11	CARBON	270	5%	1/4W	F
⚠R114	1-249-385-11	CARBON	2.2	5%	1/6W	F (D715)
⚠R115	1-249-385-11	CARBON	2.2	5%	1/6W	F (D715)
R116	1-249-411-11	CARBON	330	5%	1/4W	(D915:AUS)
R120	1-249-417-11	CARBON	1K	5%	1/4W	F
R121	1-249-411-11	CARBON	330	5%	1/4W	

DISPLAY (F) JOINT (F) VIDEO HEADPHONE

Ref.No.	Part No.	Description				Remark
R122	1-249-411-11	CARBON	330	5%	1/4W	
R123	1-249-411-11	CARBON	330	5%	1/4W	
R124	1-249-411-11	CARBON	330	5%	1/4W	
R125	1-249-411-11	CARBON	330	5%	1/4W	
R126	1-249-411-11	CARBON	330	5%	1/4W	
R127	1-249-411-11	CARBON	330	5%	1/4W	
R128	1-249-411-11	CARBON	330	5%	1/4W	
R131	1-249-433-11	CARBON	22K	5%	1/4W	
R132	1-249-433-11	CARBON	22K	5%	1/4W	
R133	1-249-433-11	CARBON	22K	5%	1/4W	
R134	1-249-433-11	CARBON	22K	5%	1/4W	
R135	1-249-433-11	CARBON	22K	5%	1/4W	
R136	1-249-433-11	CARBON	22K	5%	1/4W	
R137	1-249-433-11	CARBON	22K	5%	1/4W	
R138	1-249-433-11	CARBON	22K	5%	1/4W	
R139	1-249-437-11	CARBON	47K	5%	1/4W	
R140	1-249-437-11	CARBON	47K	5%	1/4W	
R141	1-249-437-11	CARBON	47K	5%	1/4W	
R146	1-249-437-11	CARBON	47K	5%	1/4W	
		< SWITCH >				
S101	1-554-303-21	SWITCH, TACTILE (POWER)				
S102	1-554-303-21	SWITCH, TACTILE (MEMORY)				
S103	1-554-303-21	SWITCH, TACTILE (DISPLAY)				
S104	1-554-303-21	SWITCH, TACTILE (LEVEL)				
S105	1-554-303-21	SWITCH, TACTILE (FM/AM)				
S106	1-554-303-21	SWITCH, TACTILE (+)				
S107	1-554-303-21	SWITCH, TACTILE (-)				
S108	1-554-303-21	SWITCH, TACTILE (+)				
S109	1-554-303-21	SWITCH, TACTILE (-)				
S110	1-554-303-21	SWITCH, TACTILE (ON/OFF)				
S112	1-554-303-21	SWITCH, TACTILE (FM MODE)				
S114	1-554-303-21	SWITCH, TACTILE (△)				
S115	1-554-303-21	SWITCH, TACTILE (▽)				
S116	1-554-303-21	SWITCH, TACTILE (3)				
S117	1-554-303-21	SWITCH, TACTILE (6)				
S118	1-554-303-21	SWITCH, TACTILE (9)				
S119	1-554-303-21	SWITCH, TACTILE (SHIFT)				
S121	1-554-303-21	SWITCH, TACTILE (◁)				
S122	1-554-303-21	SWITCH, TACTILE (▷)				
S123	1-554-303-21	SWITCH, TACTILE (2)				
S124	1-554-303-21	SWITCH, TACTILE (5)				
S125	1-554-303-21	SWITCH, TACTILE (8)				
S126	1-554-303-21	SWITCH, TACTILE (0)				
S128	1-554-303-21	SWITCH, TACTILE (TONE ON/DEFEAT)				
S130	1-554-303-21	SWITCH, TACTILE (DPC MODE)				
S131	1-554-303-21	SWITCH, TACTILE (1)				
S132	1-554-303-21	SWITCH, TACTILE (4)				
S133	1-554-303-21	SWITCH, TACTILE (7)				
S134	1-554-303-21	SWITCH, TACTILE (DIRECT)				
S137	1-554-303-21	SWITCH, TACTILE (CENTER MODE)				
S138	1-554-303-21	SWITCH, TACTILE (PHONO)				
S139	1-554-303-21	SWITCH, TACTILE (TUNER)				
S140	1-554-303-21	SWITCH, TACTILE (CD)				
S141	1-554-303-21	SWITCH, TACTILE (DAT/MD)				
S142	1-554-303-21	SWITCH, TACTILE (VIDEO2) (D715)				
S142	1-554-303-21	SWITCH, TACTILE (VIDEO3) (D915)				
S144	1-554-303-21	SWITCH, TACTILE (MODE)				
S145	1-554-303-21	SWITCH, TACTILE (TAPE MONITOR) (D715)				
S145	1-554-303-21	SWITCH, TACTILE (VIDEO1) (D915)				
S146	1-554-303-21	SWITCH, TACTILE (VIDEO1) (D715)				
S146	1-554-303-21	SWITCH, TACTILE (VIDEO2) (D915)				
S147	1-554-303-21	SWITCH, TACTILE (LD)				
S148	1-554-303-21	SWITCH, TACTILE (TV)				
S149	1-554-303-21	SWITCH, TACTILE (TAPE MONITOR) (D915)				
**********						
*	1-652-309-11	(F) JOINT BOARD				
		**********				
		< CONNECTOR >				
* CNP904	1-565-480-11	CONNECTOR, BOARD TO BOARD 4P				
		< DIODE >				
D101	8-719-014-66	DIODE UZP-5.6B				
**********						
*	1-652-307-11	(F) VIDEO BOARD (D915)				
		**********				
		< CONNECTOR >				
CNJ501	1-766-206-11	JACK, PIN 3P (VIDEO3 INPUT)				
CNP252	1-766-203-11	PLUG, CONNECTOR PIN (PC BOARD) 5P				
		< RESISTOR >				
R267	1-247-804-11	CARBON	75	5%	1/4W	
R535	1-249-417-11	CARBON	1K	5%	1/4W	F
R585	1-249-417-11	CARBON	1K	5%	1/4W	F
**********						
*	1-652-301-11	HEADPHONE BOARD				
		**********				
		< JACK >				
J700	1-568-498-31	JACK, LARGE TYPE (HEADPHONES)				
**********						

Ref. No.	Part No.	Description			Remark
*	A-4369-953-A	MAIN BOARD, COMPLETE (D915:US)			
		**********			
*	A-4369-962-A	MAIN BOARD, COMPLETE (D915:CND)			
		**********			
*	A-4369-971-A	MAIN BOARD, COMPLETE (D715:US)			
		**********			
*	A-4369-973-A	MAIN BOARD, COMPLETE (D715:CND)			
		**********			
*	A-4371-665-A	MAIN BOARD, COMPLETE (D915:AUS)			
		**********			
	1-533-217-31	HOLDER, FUSE			
	1-533-233-11	HOLDER, FUSE (D915:US, CND)			
	1-533-293-11	FUSE HOLDER			
*	4-942-204-01	PLATE, GROUND			
	7-682-548-04	SCREW +BVTT 3X8 (S)			
		< CAPACITOR >			
C501	1-162-282-31	CERAMIC	100PF	10%	50V
C502	1-124-927-11	ELECT	4.7uF	20%	100V
C503	1-162-282-31	CERAMIC	100PF	10%	50V
C504	1-124-477-11	ELECT	47uF	20%	25V
C505	1-130-480-00	MYLAR	0.0056uF	5%	50V
C506	1-130-473-00	MYLAR	0.0015uF	5%	50V
C507	1-124-903-11	ELECT	1uF	20%	50V
C508	1-124-477-11	ELECT	47uF	20%	25V
C530	1-162-294-31	CERAMIC	0.001uF	10%	50V
C532	1-124-927-11	ELECT	4.7uF	20%	100V
C540	1-124-907-11	ELECT	10uF	20%	50V
C551	1-162-282-31	CERAMIC	100PF	10%	50V
C552	1-124-927-11	ELECT	4.7uF	20%	100V
C553	1-162-282-31	CERAMIC	100PF	10%	50V
C554	1-124-477-11	ELECT	47uF	20%	25V
C555	1-130-480-00	MYLAR	0.0056uF	5%	50V
C556	1-130-473-00	MYLAR	0.0015uF	5%	50V
C557	1-124-903-11	ELECT	1uF	20%	50V
C558	1-124-477-11	ELECT	47uF	20%	25V
C621	1-124-927-11	ELECT	4.7uF	20%	100V
C622	1-162-282-31	CERAMIC	100PF	10%	50V
C623	1-162-282-31	CERAMIC	100PF	10%	50V
C625	1-124-925-11	ELECT	2.2uF	20%	100V
C627	1-136-157-00	FILM	0.022uF	5%	50V
C628	1-164-159-11	CERAMIC	0.1uF		50V
C629	1-124-927-11	ELECT	4.7uF	20%	100V
C651	1-124-927-11	ELECT	4.7uF	20%	100V
C652	1-162-288-31	CERAMIC	330PF	10%	50V
C653	1-102-989-00	CERAMIC	68PF	5%	500V
C654	1-102-989-00	CERAMIC	68PF	5%	500V
C655	1-124-916-11	ELECT	22uF	20%	63V

Ref. No.	Part No.	Description			Remark
C656	1-164-040-11	CERAMIC	4PF	0.25PF	50V
C657	1-124-443-00	ELECT	100uF	20%	10V
C658	1-124-477-11	ELECT	47uF	20%	25V
C659	1-124-916-11	ELECT	22uF	20%	63V
C660	1-161-959-00	CERAMIC	22PF	10%	500V
C661	1-161-959-00	CERAMIC	22PF	10%	500V
C662	1-136-165-00	FILM	0.1uF	5%	50V
C663	1-136-157-00	FILM	0.022uF	5%	50V (D715:US/D915:US, AUS)
C663	1-136-161-00	FILM	0.047uF	5%	50V (D715:CND/D915:CND)
C664	1-136-161-00	FILM	0.047uF	5%	50V (D715:CND/D915:CND)
C667	1-136-165-00	FILM	0.1uF	5%	50V
C701	1-124-927-11	ELECT	4.7uF	20%	100V
C702	1-162-288-31	CERAMIC	330PF	10%	50V
C703	1-102-989-00	CERAMIC	68PF	5%	500V
C704	1-102-989-00	CERAMIC	68PF	5%	500V
C705	1-124-916-11	ELECT	22uF	20%	63V
C706	1-124-443-00	ELECT	100uF	20%	10V
C707	1-164-040-11	CERAMIC	4PF	0.25PF	50V
C708	1-124-477-11	ELECT	47uF	20%	25V
C709	1-161-959-00	CERAMIC	22PF	10%	500V
C710	1-161-959-00	CERAMIC	22PF	10%	500V
C711	1-136-165-00	FILM	0.1uF	5%	50V
C712	1-136-165-00	FILM	0.1uF	5%	50V
C713	1-136-157-00	FILM	0.022uF	5%	50V (D715:US/D915:US, AUS)
C713	1-136-161-00	FILM	0.047uF	5%	50V (D715:CND/D915:CND)
C714	1-136-161-00	FILM	0.047uF	5%	50V (D715:CND/D915:CND)
C715	1-162-282-31	CERAMIC	100PF	10%	50V
C721	1-136-169-00	FILM	0.22uF	5%	50V
C722	1-124-471-00	ELECT	1000uF	20%	6.3V
C751	1-124-927-11	ELECT	4.7uF	20%	100V
C752	1-162-288-31	CERAMIC	330PF	10%	50V
C753	1-102-989-00	CERAMIC	68PF	5%	500V
C754	1-102-989-00	CERAMIC	68PF	5%	500V
C755	1-124-916-11	ELECT	22uF	20%	63V
C756	1-124-443-00	ELECT	100uF	20%	10V
C757	1-164-040-11	CERAMIC	4PF	0.25PF	50V
C758	1-124-477-11	ELECT	47uF	20%	25V
C759	1-161-959-00	CERAMIC	22PF	10%	500V
C760	1-161-959-00	CERAMIC	22PF	10%	500V
C761	1-136-165-00	FILM	0.1uF	5%	50V
C762	1-136-165-00	FILM	0.1uF	5%	50V
C763	1-136-157-00	FILM	0.022uF	5%	50V (D715:US/D915:US, AUS)
C763	1-136-161-00	FILM	0.047uF	5%	50V (D715:CND/D915:CND)

MAIN

Ref. No.	Part No.	Description	Remark
C764	1-136-161-00	FILM 0.047uF 5% 50V	(D715:CND/D915:CND)
C971	1-109-932-11	ELECT 10000uF 20% 71V	(D915:US, CND)
C971	1-125-729-11	ELECT 10000uF 20% 63V	(D715/D915:AUS)
C972	1-109-932-11	ELECT 10000uF 20% 71V	(D915:US, CND)
C972	1-125-729-11	ELECT 10000uF 20% 63V	(D715/D915:AUS)
C973	1-164-097-11	CERAMIC 0.022uF 50V	
C974	1-164-097-11	CERAMIC 0.022uF 50V	
C975	1-124-618-11	ELECT 2200uF 20% 35V	
C976	1-126-105-11	ELECT 1000uF 20% 35V	
C977	1-124-618-11	ELECT 2200uF 20% 35V	
C978	1-124-618-11	ELECT 2200uF 20% 35V	
C979	1-124-477-11	ELECT 47uF 20% 25V	
C980	1-124-477-11	ELECT 47uF 20% 25V	
C981	1-124-472-11	ELECT 470uF 20% 10V	
C982	1-124-907-11	ELECT 10uF 20% 50V	
C983	1-124-907-11	ELECT 10uF 20% 50V	
C985	1-124-903-11	ELECT 1uF 20% 50V	
C988	1-102-394-11	CERAMIC 0.01uF 250V	
C989	1-102-394-11	CERAMIC 0.01uF 250V	
		< CONNECTOR >	
CNJ502	1-691-887-11	JACK, PIN 6P (PHONO, CD, DAT/MD)	
CNJ503	1-580-825-11	JACK, PIN 6P (DAT/MD, TV, LD)	
CNJ504	1-580-825-11	JACK, PIN 6P (VIDEO1, VIDEO2)	
CNJ505	1-580-825-11	JACK, PIN 6P (VIDEO1, TAPE MONITOR)	
CNP301	1-691-161-11	PIN, CONNECTOR 4P	
CNP302	1-691-168-11	PIN, CONNECTOR 11P	
CNP303	1-691-165-11	PIN, CONNECTOR 8P	
* CNP701	1-564-509-11	PLUG, CONNECTOR 6P	
CNP702	1-691-773-11	PLUG (MICRO CONNECTOR) 11P	
CNP801	1-691-765-11	PLUG (MICRO CONNECTOR) 3P	
CNP802	1-691-768-11	PLUG (MICRO CONNECTOR) 6P	
CNS252	1-766-200-11	SOCKET, CONNECTOR PIN 5P (D915)	
		< FUSE >	
⚠F973	1-532-748-11	FUSE, GLASS TUBE(6.3A/125V)	(EXCEPT D915:AUS)
⚠F974	1-532-748-11	FUSE, GLASS TUBE(6.3A/125V)	(EXCEPT D915:AUS)
		< DIODE >	
D540	8-719-987-63	DIODE 1N4148M	
D641	8-719-987-63	DIODE 1N4148M	
D645	8-719-987-63	DIODE 1N4148M	
D652	8-719-815-85	DIODE 1S1585	
D653	8-719-815-85	DIODE 1S1585	
D703	8-719-815-85	DIODE 1S1585	
D704	8-719-815-85	DIODE 1S1585	
D705	8-719-987-63	DIODE 1N4148M	
D706	8-719-987-63	DIODE 1N4148M	
D753	8-719-815-85	DIODE 1S1585	
D754	8-719-815-85	DIODE 1S1585	
D910	8-719-987-63	DIODE 1N4148M	
D911	8-719-987-63	DIODE 1N4148M	
D971	8-719-302-38	DIODE RBV-602-01	
D973	8-719-312-09	DIODE RBA-402	
D974	8-719-002-76	DIODE UZL-36H	
D975	8-719-987-63	DIODE 1N4148M	
		< IC >	
IC501	8-759-634-51	IC M5218AP	
IC502	8-759-805-14	IC LC7822	
IC503	8-759-805-14	IC LC7822	
IC601	8-749-010-16	IC STK350-130	
IC621	8-759-502-33	IC SI-18752	
IC701	8-749-920-70	IC STK3102-MK3	
IC971	8-759-263-43	IC TA78M12S	
IC972	8-759-604-45	IC M5F79M12L	
IC973	8-759-604-35	IC M5F78M05L	
		< COIL >	
L621	1-420-872-00	COIL, AIR CORE	
L651	1-420-872-00	COIL, AIR CORE	
L701	1-420-872-00	COIL, AIR CORE	
L751	1-420-872-00	COIL, AIR CORE	
		< TRANSISTOR >	
Q531	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q532	8-729-900-36	TRANSISTOR DTC124ES	
Q581	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q614	8-729-119-79	TRANSISTOR 2SC2785-FEK	
Q643	8-729-119-79	TRANSISTOR 2SC2785-FEK	
Q655	8-729-026-08	TRANSISTOR 2SC4495	
Q658	8-729-022-16	TRANSISTOR 2SD2390-OPY-M	(D715)
Q658	8-749-010-25	TRANSISTOR MN2488-OPY-M	(D915)
Q659	8-729-022-15	TRANSISTOR 2SB1560-OPY-M	(D715)
Q659	8-749-010-26	TRANSISTOR MP1620-OPY-M	(D915)
Q661	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q662	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q701	8-729-026-08	TRANSISTOR 2SC4495	
Q705	8-729-022-16	TRANSISTOR 2SD2390-OPY-M	(D715)
Q705	8-749-010-25	TRANSISTOR MN2488-OPY-M	(D915)
Q706	8-729-022-15	TRANSISTOR 2SB1560-OPY-M	(D715)
Q706	8-749-010-26	TRANSISTOR MP1620-OPY-M	(D915)
Q707	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q708	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q719	8-729-119-79	TRANSISTOR 2SC2785-FEK	

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

Ref. No.	Part No.	Description				Remark
Q721	8-729-140-84	TRANSISTOR	2SC1841-PAFAEA			
Q722	8-729-119-79	TRANSISTOR	2SC2785-FEK			
Q723	8-729-119-79	TRANSISTOR	2SC2785-FEK			
Q751	8-729-026-08	TRANSISTOR	2SC4495			
Q755	8-729-022-16	TRANSISTOR	2SD2390-OPY-M (D715)			
Q755	8-749-010-25	TRANSISTOR	MN2488-OPY-M (D915)			
Q756	8-729-022-15	TRANSISTOR	2SB1560-OPY-M (D715)			
Q756	8-749-010-26	TRANSISTOR	MP1620-OPY-M (D915)			
Q757	8-729-140-82	TRANSISTOR	2SA988-PAFAEA			
Q758	8-729-140-82	TRANSISTOR	2SA988-PAFAEA			
Q971	8-729-140-96	TRANSISTOR	2SD774-34			
Q972	8-729-119-79	TRANSISTOR	2SC2785-FEK			
		< RESISTOR >				
R501	1-249-411-11	CARBON	330	5%	1/4W	
R502	1-249-441-11	CARBON	100K	5%	1/4W	
R503	1-249-441-11	CARBON	100K	5%	1/4W	
R504	1-249-416-11	CARBON	820	5%	1/4W	F
R505	1-247-897-11	CARBON	560K	5%	1/4W	
R506	1-249-437-11	CARBON	47K	5%	1/4W	
R507	1-249-441-11	CARBON	100K	5%	1/4W	
R508	1-249-409-11	CARBON	220	5%	1/4W	F
R509	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R510	1-249-417-11	CARBON	1K	5%	1/4W	F
R511	1-249-417-11	CARBON	1K	5%	1/4W	F
R512	1-249-417-11	CARBON	1K	5%	1/4W	F
R513	1-249-417-11	CARBON	1K	5%	1/4W	F
R514	1-249-417-11	CARBON	1K	5%	1/4W	F
R515	1-249-417-11	CARBON	1K	5%	1/4W	F
R516	1-249-417-11	CARBON	1K	5%	1/4W	F
R517	1-249-417-11	CARBON	1K	5%	1/4W	F
R518	1-249-417-11	CARBON	1K	5%	1/4W	F
R519	1-249-417-11	CARBON	1K	5%	1/4W	F
R520	1-249-429-11	CARBON	10K	5%	1/4W	
R530	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R532	1-247-807-31	CARBON	100	5%	1/4W	
R533	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R540	1-249-429-11	CARBON	10K	5%	1/4W	
R545	1-249-437-11	CARBON	47K	5%	1/4W	
R551	1-249-411-11	CARBON	330	5%	1/4W	
R552	1-249-441-11	CARBON	100K	5%	1/4W	
R553	1-249-441-11	CARBON	100K	5%	1/4W	
R554	1-249-416-11	CARBON	820	5%	1/4W	F
R555	1-247-897-11	CARBON	560K	5%	1/4W	
R556	1-249-437-11	CARBON	47K	5%	1/4W	
R557	1-249-441-11	CARBON	100K	5%	1/4W	
R558	1-249-409-11	CARBON	220	5%	1/4W	F
R559	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R560	1-249-417-11	CARBON	1K	5%	1/4W	F
R561	1-249-417-11	CARBON	1K	5%	1/4W	F

Ref. No.	Part No.	Description				Remark
R562	1-249-417-11	CARBON	1K	5%	1/4W	F
R563	1-249-417-11	CARBON	1K	5%	1/4W	F
R564	1-249-417-11	CARBON	1K	5%	1/4W	F
R565	1-249-417-11	CARBON	1K	5%	1/4W	F
R566	1-249-417-11	CARBON	1K	5%	1/4W	F
R567	1-249-417-11	CARBON	1K	5%	1/4W	F
R568	1-249-417-11	CARBON	1K	5%	1/4W	F
R569	1-249-417-11	CARBON	1K	5%	1/4W	F
R570	1-249-429-11	CARBON	10K	5%	1/4W	
R582	1-247-807-31	CARBON	100	5%	1/4W	
R595	1-249-437-11	CARBON	47K	5%	1/4W	
R621	1-249-417-11	CARBON	1K	5%	1/4W	F
R622	1-249-439-11	CARBON	68K	5%	1/4W	
R623	1-249-417-11	CARBON	1K	5%	1/4W	F
R624	1-249-439-11	CARBON	68K	5%	1/4W	
R628	1-249-389-11	CARBON	4.7	5%	1/4W	F
⚠R629	1-249-393-11	CARBON	10	5%	1/4W	F
R630	1-249-429-11	CARBON	10K	5%	1/4W	
R641	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R643	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R651	1-249-417-11	CARBON	1K	5%	1/4W	F
R652	1-249-438-11	CARBON	56K	5%	1/4W	
R653	1-249-413-11	CARBON	470	5%	1/4W	F
⚠R654	1-249-401-11	CARBON	47	5%	1/4W	F
⚠R655	1-249-401-11	CARBON	47	5%	1/4W	F
R661	1-249-438-11	CARBON	56K	5%	1/4W	
R662	1-249-414-11	CARBON	560	5%	1/4W	F
R663	1-249-417-11	CARBON	1K	5%	1/4W	F
⚠R664	1-249-393-11	CARBON	10	5%	1/4W	F
R667	1-249-411-11	CARBON	330	5%	1/4W	
⚠R668	1-249-393-11	CARBON	10	5%	1/4W	F
R669	1-249-424-11	CARBON	3.9K	5%	1/4W	F
R670	1-249-424-11	CARBON	3.9K	5%	1/4W	F
R671	1-249-425-11	CARBON	4.7K	5%	1/4W	F
⚠R672	1-239-912-21	ENCAPSULATED COMPONENT 0.22 2W				
R674	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R675	1-249-431-11	CARBON	15K	5%	1/4W	
R676	1-249-431-11	CARBON	15K	5%	1/4W	
R677	1-260-072-11	CARBON	4.7	5%	1/2W	
R678	1-249-433-11	CARBON	22K	5%	1/4W	
R679	1-260-076-11	CARBON	10	5%	1/2W	
R701	1-249-417-11	CARBON	1K	5%	1/4W	F
R702	1-249-438-11	CARBON	56K	5%	1/4W	
R703	1-249-413-11	CARBON	470	5%	1/4W	F
⚠R704	1-249-397-11	CARBON	22	5%	1/4W	F
R705	1-249-413-11	CARBON	470	5%	1/4W	F
R706	1-249-438-11	CARBON	56K	5%	1/4W	
R707	1-249-417-11	CARBON	1K	5%	1/4W	F
R708	1-249-411-11	CARBON	330	5%	1/4W	
⚠R709	1-249-393-11	CARBON	10	5%	1/4W	F

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MAIN | MAIN VOLUME | MUTING | POWER SUPPLY

Ref.No.	Part No.	Description				Remark
⚠R710	1-249-393-11	CARBON	10	5%	1/4W	F
R711	1-249-424-11	CARBON	3.9K	5%	1/4W	F
R712	1-249-424-11	CARBON	3.9K	5%	1/4W	F
⚠R715	1-239-912-21	ENCAPSULATED COMPONENT 0.22 2W				
R717	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R718	1-249-431-11	CARBON	15K	5%	1/4W	
R719	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R720	1-249-431-11	CARBON	15K	5%	1/4W	
R721	1-260-072-11	CARBON	4.7	5%	1/2W	
R722	1-260-076-11	CARBON	10	5%	1/2W	
R725	1-249-417-11	CARBON	1K	5%	1/4W	F
R726	1-249-429-11	CARBON	10K	5%	1/4W	
R727	1-249-439-11	CARBON	68K	5%	1/4W	
R728	1-249-436-11	CARBON	39K	5%	1/4W	
R729	1-249-434-11	CARBON	27K	5%	1/4W	
R730	1-249-433-11	CARBON	22K	5%	1/4W	
R731	1-249-437-11	CARBON	47K	5%	1/4W	
R751	1-249-417-11	CARBON	1K	5%	1/4W	F
R752	1-249-438-11	CARBON	56K	5%	1/4W	
R753	1-249-413-11	CARBON	470	5%	1/4W	F
⚠R754	1-249-397-11	CARBON	22	5%	1/4W	F
R755	1-249-413-11	CARBON	470	5%	1/4W	F
R756	1-249-438-11	CARBON	56K	5%	1/4W	
R757	1-249-417-11	CARBON	1K	5%	1/4W	F
R758	1-249-411-11	CARBON	330	5%	1/4W	
⚠R759	1-249-393-11	CARBON	10	5%	1/4W	F
⚠R760	1-249-393-11	CARBON	10	5%	1/4W	F
R761	1-249-424-11	CARBON	3.9K	5%	1/4W	F
R762	1-249-424-11	CARBON	3.9K	5%	1/4W	F
⚠R765	1-239-912-21	ENCAPSULATED COMPONENT 0.22 2W				
R767	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R768	1-249-431-11	CARBON	15K	5%	1/4W	
R769	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R770	1-249-431-11	CARBON	15K	5%	1/4W	
R771	1-260-072-11	CARBON	4.7	5%	1/2W	
R772	1-260-076-11	CARBON	10	5%	1/2W	
⚠R971	1-215-906-11	METAL OXIDE	15	5%	3W	F
⚠R972	1-215-909-11	METAL OXIDE	47	5%	3W	F
⚠R973	1-215-909-11	METAL OXIDE	47	5%	3W	F
⚠R975	1-249-409-11	CARBON	220	5%	1/4W	F
R976	1-249-426-11	CARBON	5.6K	5%	1/4W	
R977	1-249-421-11	CARBON	2.2K	5%	1/4W	F
		< RELAY >				
RY541	1-515-614-11	RELAY				
RY641	1-515-533-11	RELAY				
RY643	1-515-765-11	RELAY				
RY701	1-515-765-11	RELAY				
RY902	1-515-894-11	RELAY (D715:US/D915:US,AUS)				
RY903	1-515-918-11	RELAY (D715:CND/D915:CND)				
RY904	1-515-918-11	RELAY (D715:CND/D915:CND)				

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*	1-652-305-11	MAIN VOLUME BOARD				
		**********				
		< CAPACITOR >				
C598	1-124-903-11	ELECT	1uF	20%	50V	
C599	1-124-903-11	ELECT	1uF	20%	50V	
		< CONNECTOR >				
* CNP510	1-564-521-11	PLUG, CONNECTOR 6P				
CNS511	1-766-201-11	SOCKET, CONNECTOR PIN 11P				
		< RESISTOR >				
R599	1-249-409-11	CARBON	220	5%	1/4W	F
		< VARIABLE RESISTOR >				
RV503	1-241-816-11	RES, VAR, CARBON 100KX4 (MASTER VOLUME)				

****

*	1-652-297-11	MUTING BOARD				
		**********				
		< CONNECTOR >				
* CNP101	1-569-798-11	PLUG, CONNECTOR 6P				
		< DIODE >				
D109	8-719-301-49	LED	SEL2810A (MUTING -20dB)			
D110	8-719-301-49	LED	SEL2810A (LOW BOOST)			
		< RESISTOR >				
R147	1-249-410-11	CARBON	270	5%	1/4W	F
R148	1-249-410-11	CARBON	270	5%	1/4W	F
		< SWITCH >				
S113	1-554-303-21	SWITCH, TACTILE (MUTING -20dB)				
S120	1-554-303-21	SWITCH, TACTILE (LOW BOOST)				

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*	A-4369-957-A	POWER SUPPLY BOARD, COMPLETE	
		**********	
			(EXCEPT D915:AUS)
*	A-4369-966-A	POWER SUPPLY BOARD, COMPLETE (D915:AUS)	
		**********	
	1-533-293-11	FUSE HOLDER	
*	4-942-204-01	PLATE, GROUND	

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POWER SUPPLY | PT1 | PT2

Ref.No.	Part No.	Description			Remark
	7-682-548-04	SCREW +BVTT 3X8 (S)			
		< BASE POST >			
* BP903	1-535-139-00	BASE POST 19MM (10MM PITCH) 2P			
		< CAPACITOR >			
C951	1-164-097-11	CERAMIC	0.022uF		50V
C952	1-164-097-11	CERAMIC	0.022uF		50V
C953	1-124-557-11	ELECT	1000uF	20%	25V
C954	1-162-282-31	CERAMIC	100PF	10%	50V
C955	1-124-477-11	ELECT	47uF	20%	25V
C956	1-124-477-11	ELECT	47uF	20%	25V
C957	1-124-903-11	ELECT	1uF	20%	50V
C958	1-164-097-11	CERAMIC	0.022uF		50V
C959	1-124-464-11	ELECT	0.22uF	20%	50V
C960	1-161-494-00	CERAMIC	0.022uF		25V
		< CONNECTOR >			
⚠CNJ901	1-540-060-11	OUTLET, AC (POLAR) (AC OUTLET)			(EXCEPT D915:AUS)
CNP901	1-564-321-00	PIN, CONNECTOR 2P			
* CNP903	1-565-495-11	CONNECTOR, BOARD TO BOARD 4P			
CNP912	1-564-321-00	PIN, CONNECTOR 2P (D915:AUS)			
		< DIODE >			
D951	8-719-024-99	DIODE	11ES2		
D952	8-719-024-99	DIODE	11ES2		
D953	8-719-024-99	DIODE	11ES2		
D954	8-719-024-99	DIODE	11ES2		
D955	8-719-987-63	DIODE	1N4148M		
D956	8-719-987-63	DIODE	1N4148M		
D957	8-719-933-41	DIODE	HZS6C3L		
D958	8-719-987-63	DIODE	1N4148M		
D959	8-719-933-41	DIODE	HZS6C3L		
D960	8-719-985-53	DIODE	HZS4ALL		
		< FUSE >			
⚠F902	1-532-237-00	FUSE, TIME LAG (T3.15A/250V) (D915:AUS)			
⚠F902	1-532-748-11	FUSE, GLASS TUBE (6.3A/125V)			(EXCEPT D915:AUS)
⚠F903	1-532-286-00	FUSE (T2.5A/250V) (D915:AUS)			
		< TRANSISTOR >			
Q951	8-729-209-15	TRANSISTOR	2SD2012		
Q952	8-729-119-79	TRANSISTOR	2SC2785-FEK		
Q953	8-729-119-79	TRANSISTOR	2SC2785-FEK		
Q954	8-729-119-76	TRANSISTOR	2SA1175-HFE		
Q955	8-729-119-76	TRANSISTOR	2SA1175-HFE		
Q956	8-729-119-79	TRANSISTOR	2SC2785-FEK		

Ref.No.	Part No.	Description			Remark
		< RESISTOR >			
⚠R901	1-202-725-00	SOLID	3.3M	10% 1/2W	(EXCEPT D915:AUS)
R951	1-249-396-11	CARBON	18	5% 1/4W	F
R952	1-249-417-11	CARBON	1K	5% 1/4W	F
R953	1-249-437-11	CARBON	47K	5% 1/4W	
R954	1-249-425-11	CARBON	4.7K	5% 1/4W	F
R955	1-249-433-11	CARBON	22K	5% 1/4W	
R956	1-249-429-11	CARBON	10K	5% 1/4W	
R957	1-249-417-11	CARBON	1K	5% 1/4W	F
R958	1-249-429-11	CARBON	10K	5% 1/4W	
R959	1-249-429-11	CARBON	10K	5% 1/4W	
R960	1-249-426-11	CARBON	5.6K	5% 1/4W	
R961	1-249-417-11	CARBON	1K	5% 1/4W	F
R962	1-249-426-11	CARBON	5.6K	5% 1/4W	
		< RELAY >			
⚠RY901	1-515-701-11	RELAY (EXCEPT D915:AUS)			
⚠RY901	1-515-701-21	RELAY (D915:AUS)			
		< TRANSFORMER >			
⚠T901	1-450-358-11	TRANSFORMER, POWER (D915:AUS)			
⚠T901	1-450-361-11	TRANSFORMER, POWER (EXCEPT D915:AUS)			
**********					
*	1-652-303-11	PT1 BOARD			
		*********			
**********					
*	1-652-299-11	PT2 BOARD (EXCEPT D915:AUS)			
		**********			
*	1-652-300-11	PT2 BOARD (D915:AUS)			
		**********			
		< CONNECTOR >			
CNP806	1-691-771-11	PLUG (MICRO CONNECTOR) 9P			
		< FUSE >			
⚠F971	1-532-237-00	FUSE, TIME LAG (T3.15A/250V) (D915:AUS)			
⚠F971	1-576-107-11	FUSE (3.15A/250V) (EXCEPT D915:AUS)			
⚠F972	1-532-237-00	FUSE, TIME LAG (T3.15A/250V) (D915:AUS)			
⚠F972	1-576-107-11	FUSE (3.15A/250V) (EXCEPT D915:AUS)			
**********					

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SPEAKER TERMINAL | SURROUND

Ref. No.	Part No.	Description				Remark
*	1-652-308-11	SPEAKER TERMINAL BOARD				
		**********				
		< CONNECTOR >				
* CNP703	1-564-518-11	PLUG, CONNECTOR 3P				
CNP704	1-691-773-11	PLUG (MICRO CONNECTOR) 11P				
		< RESISTOR >				
⚠R723	1-216-431-11	METAL OXIDE	560	5%	1W	F
⚠R773	1-216-431-11	METAL OXIDE	560	5%	1W	F
		< SWITCH >				
S701	1-572-322-11	SWITCH, SLIDE (SPEAKERS)				
S710	1-692-196-11	SWITCH, SLIDE (IMPEDANCE SELECTOR) (D915)				
		< TERMINAL >				
TM701	1-537-376-11	TERMINAL BOARD (SP) (FRONT SPEAKERS)				
TM702	1-537-510-11	TERMINAL BOARD (SPEAKER) (6P) (SURROUND SPEAKERS)				
**********						
*	A-4369-951-A	SURROUND BOARD, COMPLETE				
		**********				
		< CAPACITOR >				
C201	1-161-379-00	CERAMIC	0.01uF	20%	25V	
C202	1-124-477-11	ELECT	47uF	20%	25V	
C203	1-161-379-00	CERAMIC	0.01uF	20%	25V	
C204	1-124-903-11	ELECT	1uF	20%	50V	
C206	1-104-905-11	DOUBLE LAYERS	0.22F		5.5V	
C207	1-161-379-00	CERAMIC	0.01uF	20%	25V	
C208	1-124-925-11	ELECT	2.2uF	20%	100V	
C209	1-161-379-00	CERAMIC	0.01uF	20%	25V	
C301	1-124-119-00	ELECT	330uF	20%	16V	
C302	1-124-120-11	ELECT	220uF	20%	25V	
C303	1-136-159-00	FILM	0.033uF	5%	50V	
C304	1-130-473-00	MYLAR	0.0015uF	5%	50V	
C305	1-136-159-00	FILM	0.033uF	5%	50V	
C306	1-124-903-11	ELECT	1uF	20%	50V	
C307	1-124-907-11	ELECT	10uF	20%	50V	
C308	1-124-907-11	ELECT	10uF	20%	50V	
C310	1-124-927-11	ELECT	4.7uF	20%	100V	
C311	1-124-925-11	ELECT	2.2uF	20%	100V	
C313	1-164-159-11	CERAMIC	0.1uF		50V	
C315	1-136-159-00	FILM	0.033uF	5%	50V	
C316	1-124-907-11	ELECT	10uF	20%	50V	
C318	1-130-469-00	MYLAR	680PF	5%	50V	
C322	1-124-927-11	ELECT	4.7uF	20%	100V	
C323	1-136-173-00	FILM	0.47uF	5%	50V	
C324	1-124-910-11	ELECT	47uF	20%	50V	

Ref. No.	Part No.	Description			Remark
C325	1-136-165-00	FILM	0.1uF	5%	50V
C326	1-136-165-00	FILM	0.1uF	5%	50V
C327	1-124-902-00	ELECT	0.47uF	20%	50V
C328	1-124-927-11	ELECT	4.7uF	20%	100V
C329	1-124-902-00	ELECT	0.47uF	20%	50V
C330	1-124-927-11	ELECT	4.7uF	20%	100V
C331	1-124-250-00	ELECT	0.15uF	20%	50V
C332	1-126-962-11	ELECT	3.3uF	20%	50V
C333	1-124-250-00	ELECT	0.15uF	20%	50V
C334	1-136-157-00	FILM	0.022uF	5%	50V
C335	1-130-479-00	MYLAR	0.0047uF	5%	50V
C336	1-124-120-11	ELECT	220uF	20%	25V
C337	1-124-907-11	ELECT	10uF	20%	50V
C338	1-124-907-11	ELECT	10uF	20%	50V
C339	1-124-907-11	ELECT	10uF	20%	50V
C340	1-124-907-11	ELECT	10uF	20%	50V
C341	1-124-120-11	ELECT	220uF	20%	25V
C342	1-126-962-11	ELECT	3.3uF	20%	50V
C343	1-126-962-11	ELECT	3.3uF	20%	50V
C344	1-136-165-00	FILM	0.1uF	5%	50V
C345	1-136-165-00	FILM	0.1uF	5%	50V
C346	1-124-902-00	ELECT	0.47uF	20%	50V
C347	1-124-927-11	ELECT	4.7uF	20%	100V
C348	1-124-902-00	ELECT	0.47uF	20%	50V
C349	1-124-927-11	ELECT	4.7uF	20%	100V
C350	1-124-250-00	ELECT	0.15uF	20%	50V
C351	1-126-962-11	ELECT	3.3uF	20%	50V
C352	1-124-250-00	ELECT	0.15uF	20%	50V
C353	1-164-159-11	CERAMIC	0.1uF		50V
C354	1-164-159-11	CERAMIC	0.1uF		50V
C355	1-164-159-11	CERAMIC	0.1uF		50V
C356	1-164-159-11	CERAMIC	0.1uF		50V
C358	1-161-379-00	CERAMIC	0.01uF	20%	25V
C359	1-124-927-11	ELECT	4.7uF	20%	100V
C360	1-124-927-11	ELECT	4.7uF	20%	100V
C401	1-164-159-11	CERAMIC	0.1uF		50V
C404	1-136-171-00	FILM	0.33uF	5%	50V
C405	1-136-159-00	FILM	0.033uF	5%	50V
C406	1-124-927-11	ELECT	4.7uF	20%	100V
C407	1-162-209-31	CERAMIC	27PF	5%	50V
C408	1-124-477-11	ELECT	47uF	20%	25V
C409	1-164-159-11	CERAMIC	0.1uF		50V
C410	1-124-477-11	ELECT	47uF	20%	25V
C411	1-136-154-00	FILM	0.012uF	5%	50V
C412	1-136-163-00	FILM	0.068uF	5%	50V
C413	1-130-476-00	MYLAR	0.0027uF	5%	50V
C414	1-124-907-11	ELECT	10uF	20%	50V
C415	1-136-157-00	FILM	0.022uF	5%	50V
C416	1-124-927-11	ELECT	4.7uF	20%	100V
C454	1-136-171-00	FILM	0.33uF	5%	50V

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Ref.No.	Part No.	Description			Remark
C455	1-136-159-00	FILM	0.033uF	5%	50V
C456	1-124-927-11	ELECT	4.7uF	20%	100V
C457	1-162-209-31	CERAMIC	27PF	5%	50V
C458	1-124-477-11	ELECT	47uF	20%	25V
C459	1-164-159-11	CERAMIC	0.1uF		50V
C460	1-124-477-11	ELECT	47uF	20%	25V
C461	1-136-154-00	FILM	0.012uF	5%	50V
C462	1-136-163-00	FILM	0.068uF	5%	50V
C463	1-130-476-00	MYLAR	0.0027uF	5%	50V
C464	1-124-907-11	ELECT	10uF	20%	50V
C465	1-136-157-00	FILM	0.022uF	5%	50V
C822	1-124-477-11	ELECT	47uF	20%	25V
		< FILTER >			
CF201	1-567-776-41	VIBRATOR, CERAMIC (6MHz)			
		< CONNECTOR >			
CNP210	1-766-205-11	PLUG, CONNECTOR PIN 14P			
CNP501	1-766-204-11	PLUG, CONNECTOR PIN 11P			
CNS102	1-568-838-11	SOCKET, CONNECTOR 21P			
* CNS310	1-691-174-11	CONNECTOR (BOARD TO BOARD) 4P			
CNS311	1-691-181-11	CONNECTOR (BOARD TO BOARD) 11P			
CNS312	1-691-178-11	CONNECTOR (BOARD TO BOARD) 8P			
		< DIODE >			
D201	8-719-987-63	DIODE 1N4148M			
D202	8-719-987-63	DIODE 1N4148M			
D204	8-719-987-63	DIODE 1N4148M			
D205	8-719-987-63	DIODE 1N4148M			
D542	8-719-987-63	DIODE 1N4148M			
D817	8-719-001-30	DIODE UZL-9H3			
		< IC >			
IC201	8-759-820-62	IC LB1639			
IC202	8-759-264-78	IC uPD75518GF-195-3B9			
IC300	8-759-168-98	IC LV1010N			
IC301	8-759-248-74	IC LA2785			
IC302	8-759-634-51	IC M5218AP			
IC401	8-759-072-32	IC TC9184P			
IC412	8-759-634-51	IC M5218AP			
		< COIL >			
L201	1-410-521-11	INDUCTOR	100uH		
L301	1-410-521-11	INDUCTOR	100uH		
L302	1-410-521-11	INDUCTOR	100uH		
		< TRANSISTOR >			
Q201	8-729-900-63	TRANSISTOR DTA124ES			
Q202	8-729-119-79	TRANSISTOR 2SC2785-FEK			

Ref.No.	Part No.	Description			Remark
Q210	8-729-900-63	TRANSISTOR DTA124ES			
Q211	8-729-900-63	TRANSISTOR DTA124ES			
Q212	8-729-900-63	TRANSISTOR DTA124ES			
Q213	8-729-900-63	TRANSISTOR DTA124ES			
Q305	8-729-141-30	TRANSISTOR 2SC3623A-LK			
Q306	8-729-141-30	TRANSISTOR 2SC3623A-LK			
Q307	8-729-141-30	TRANSISTOR 2SC3623A-LK			
Q308	8-729-141-30	TRANSISTOR 2SC3623A-LK			
Q401	8-729-202-67	TRANSISTOR 2SK246-GR3			
Q402	8-729-141-30	TRANSISTOR 2SC3623A-LK			
Q403	8-729-141-30	TRANSISTOR 2SC3623A-LK			
Q404	8-729-141-30	TRANSISTOR 2SC3623A-LK			
Q451	8-729-202-67	TRANSISTOR 2SK246-GR3			
Q452	8-729-141-30	TRANSISTOR 2SC3623A-LK			
Q453	8-729-141-30	TRANSISTOR 2SC3623A-LK			
Q454	8-729-141-30	TRANSISTOR 2SC3623A-LK			
Q808	8-729-180-92	TRANSISTOR 2SD809-K			
		< RESISTOR >			
R201	1-249-437-11	CARBON	47K	5%	1/4W
R202	1-249-437-11	CARBON	47K	5%	1/4W
R203	1-247-807-31	CARBON	100	5%	1/4W
R204	1-249-429-11	CARBON	10K	5%	1/4W
R205	1-249-429-11	CARBON	10K	5%	1/4W
R206	1-249-429-11	CARBON	10K	5%	1/4W
R207	1-249-429-11	CARBON	10K	5%	1/4W
R208	1-249-429-11	CARBON	10K	5%	1/4W
R209	1-249-425-11	CARBON	4.7K	5%	1/4W F
R210	1-249-437-11	CARBON	47K	5%	1/4W
R211	1-249-421-11	CARBON	2.2K	5%	1/4W F
R212	1-249-437-11	CARBON	47K	5%	1/4W
R213	1-249-423-11	CARBON	3.3K	5%	1/4W F
R214	1-249-433-11	CARBON	22K	5%	1/4W
R215	1-249-425-11	CARBON	4.7K	5%	1/4W F
R216	1-249-429-11	CARBON	10K	5%	1/4W
R217	1-249-429-11	CARBON	10K	5%	1/4W
R218	1-249-429-11	CARBON	10K	5%	1/4W
R219	1-249-429-11	CARBON	10K	5%	1/4W
R220	1-249-429-11	CARBON	10K	5%	1/4W
R221	1-249-429-11	CARBON	10K	5%	1/4W
R222	1-249-429-11	CARBON	10K	5%	1/4W
R223	1-249-425-11	CARBON	4.7K	5%	1/4W F
R224	1-249-425-11	CARBON	4.7K	5%	1/4W F
R230	1-249-421-11	CARBON	2.2K	5%	1/4W F
R231	1-249-421-11	CARBON	2.2K	5%	1/4W F
R232	1-249-421-11	CARBON	2.2K	5%	1/4W F
R233	1-249-421-11	CARBON	2.2K	5%	1/4W F
R234	1-249-417-11	CARBON	1K	5%	1/4W F
R235	1-249-417-11	CARBON	1K	5%	1/4W F
R236	1-249-413-11	CARBON	470	5%	1/4W F

SURROUND TUNER VIDEO

Ref.No.	Part No.	Description				Remark
R237	1-249-413-11	CARBON	470	5%	1/4W	F
R238	1-249-413-11	CARBON	470	5%	1/4W	F
R239	1-249-413-11	CARBON	470	5%	1/4W	F
R240	1-249-413-11	CARBON	470	5%	1/4W	F
R241	1-249-413-11	CARBON	470	5%	1/4W	F
R242	1-249-413-11	CARBON	470	5%	1/4W	F
R243	1-249-413-11	CARBON	470	5%	1/4W	F
R244	1-249-437-11	CARBON	47K	5%	1/4W	
R245	1-249-437-11	CARBON	47K	5%	1/4W	
R246	1-249-437-11	CARBON	47K	5%	1/4W	
R247	1-249-437-11	CARBON	47K	5%	1/4W	
R300	1-247-903-00	CARBON	1M	5%	1/4W	
R301	1-249-411-11	CARBON	330	5%	1/4W	
R302	1-249-431-11	CARBON	15K	5%	1/4W	
R306	1-249-433-11	CARBON	22K	5%	1/4W	
R307	1-249-436-11	CARBON	39K	5%	1/4W	
R308	1-249-417-11	CARBON	1K	5%	1/4W	F
R353	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R354	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R355	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R356	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R357	1-249-441-11	CARBON	100K	5%	1/4W	
R358	1-249-441-11	CARBON	100K	5%	1/4W	
R359	1-249-433-11	CARBON	22K	5%	1/4W	
R360	1-249-430-11	CARBON	12K	5%	1/4W	
R361	1-249-433-11	CARBON	22K	5%	1/4W	
R362	1-249-433-11	CARBON	22K	5%	1/4W	
R364	1-249-413-11	CARBON	470	5%	1/4W	F
R365	1-249-413-11	CARBON	470	5%	1/4W	F
R404	1-249-441-11	CARBON	100K	5%	1/4W	
R405	1-249-423-11	CARBON	3.3K	5%	1/4W	F
R406	1-247-883-00	CARBON	150K	5%	1/4W	
R407	1-249-412-11	CARBON	390	5%	1/4W	F
R408	1-249-427-11	CARBON	6.8K	5%	1/4W	F
R409	1-249-427-11	CARBON	6.8K	5%	1/4W	F
R410	1-249-440-11	CARBON	82K	5%	1/4W	
R411	1-247-895-00	CARBON	470K	5%	1/4W	
R412	1-249-419-11	CARBON	1.5K	5%	1/4W	F
R413	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R414	1-247-897-11	CARBON	560K	5%	1/4W	
R415	1-249-436-11	CARBON	39K	5%	1/4W	
R416	1-249-434-11	CARBON	27K	5%	1/4W	
R417	1-249-426-11	CARBON	5.6K	5%	1/4W	
R418	1-249-418-11	CARBON	1.2K	5%	1/4W	F
R419	1-249-417-11	CARBON	1K	5%	1/4W	F
R420	1-247-807-31	CARBON	100	5%	1/4W	
R421	1-249-417-11	CARBON	1K	5%	1/4W	F
R422	1-249-417-11	CARBON	1K	5%	1/4W	F
R426	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R427	1-249-441-11	CARBON	100K	5%	1/4W	
R428	1-249-435-11	CARBON	33K	5%	1/4W	
R451	1-247-903-00	CARBON	1M	5%	1/4W	
R454	1-249-441-11	CARBON	100K	5%	1/4W	
R455	1-249-423-11	CARBON	3.3K	5%	1/4W	F
R456	1-247-883-00	CARBON	150K	5%	1/4W	
R457	1-249-412-11	CARBON	390	5%	1/4W	F
R458	1-249-427-11	CARBON	6.8K	5%	1/4W	F
R459	1-249-427-11	CARBON	6.8K	5%	1/4W	F
R460	1-249-440-11	CARBON	82K	5%	1/4W	
R461	1-247-895-00	CARBON	470K	5%	1/4W	
R462	1-249-419-11	CARBON	1.5K	5%	1/4W	F
R463	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R464	1-247-897-11	CARBON	560K	5%	1/4W	
R465	1-249-436-11	CARBON	39K	5%	1/4W	
R466	1-249-434-11	CARBON	27K	5%	1/4W	
R467	1-249-426-11	CARBON	5.6K	5%	1/4W	
R468	1-249-418-11	CARBON	1.2K	5%	1/4W	F
R469	1-249-417-11	CARBON	1K	5%	1/4W	F
R470	1-247-807-31	CARBON	100	5%	1/4W	
R476	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R477	1-249-441-11	CARBON	100K	5%	1/4W	
R478	1-249-435-11	CARBON	33K	5%	1/4W	
R822	1-247-811-31	CARBON	150	5%	1/4W	

< VIBRATOR >

X301	1-579-952-21	VIBRATOR, CERAMIC (8MHz)

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*	1-652-302-11	TUNER VIDEO BOARD			
		**********			
		< CAPACITOR >			
C251	1-124-472-11	ELECT	470uF	20%	10V
C252	1-124-927-11	ELECT	4.7uF	20%	100V
C253	1-124-472-11	ELECT	470uF	20%	10V
C254	1-124-927-11	ELECT	4.7uF	20%	100V
C255	1-124-472-11	ELECT	470uF	20%	10V
C256	1-124-927-11	ELECT	4.7uF	20%	100V
C257	1-124-927-11	ELECT	4.7uF	20%	100V
C258	1-124-927-11	ELECT	4.7uF	20%	100V
C259	1-124-927-11	ELECT	4.7uF	20%	100V
		< CONNECTOR >			
CNJ201	1-695-317-21	JACK, PIN 2P (TV/LD VIDEO IN)			
CNJ202	1-695-317-21	JACK, PIN 2P (VIDEO2 VIDEO IN/OUT)			
CNJ203	1-766-199-11	JACK, PIN 3P (VIDEO1 VIDEO IN/OUT, MONITOR VIDEO OUT)			
CNS251	1-766-202-11	SOCKET, CONNECTOR PIN 14P			

Ref.No.	Part No.	Description	Remark
		< FRONT-END >	
FE1	1-239-611-11	ENCAPSULATED COMPONENT (D915:AUS)	
FE1	1-239-727-11	ENCAPSULATED COMPONENT (FCC) (EXCEPT D915:AUS)	
		< IC >	
IC251	8-759-061-95	IC SN761200N	
		< COIL >	
L251	1-410-509-11	INDUCTOR 10uH	
		< TRANSISTOR >	
Q251	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q252	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q253	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q254	8-729-900-63	TRANSISTOR DTA124ES	
		< RESISTOR >	
R251	1-249-403-11	CARBON 68 5% 1/4W	F
R252	1-249-429-11	CARBON 10K 5% 1/4W	
R253	1-247-804-11	CARBON 75 5% 1/4W	
R254	1-249-403-11	CARBON 68 5% 1/4W	F
R255	1-249-429-11	CARBON 10K 5% 1/4W	
R256	1-247-804-11	CARBON 75 5% 1/4W	
R257	1-249-403-11	CARBON 68 5% 1/4W	F
R258	1-249-429-11	CARBON 10K 5% 1/4W	
R259	1-247-804-11	CARBON 75 5% 1/4W	
R260	1-247-804-11	CARBON 75 5% 1/4W	
R261	1-247-811-31	CARBON 150 5% 1/4W	
R262	1-247-807-31	CARBON 100 5% 1/4W	
R263	1-247-811-31	CARBON 150 5% 1/4W	
R264	1-247-807-31	CARBON 100 5% 1/4W	
R265	1-247-811-31	CARBON 150 5% 1/4W	
R266	1-247-807-31	CARBON 100 5% 1/4W	
		< TERMINAL >	
TM1	1-537-714-11	TERMINAL BOARD (ANTENNA) (D915:AUS)	
TM1	1-537-734-11	TERMINAL BOARD, ANT (ANTENNA) (EXCEPT D915:AUS)	

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Ref.No.	Part No.	Description	Remark
		MISCELLANEOUS	
		**********	
11	1-765-290-11	WIRE (FLAT TYPE) (21 CORE)	
53	1-572-291-41	SWITCH, ROTARY SLIDE	
⚠70	1-690-609-11	CORD, POWER (EXCEPT D915:AUS)	
⚠71	1-696-848-21	CORD, POWER (D915:AUS)	
FL101	1-517-305-11	INDICATOR TUBE, FLUORESCENT	
⚠CNJ901	1-251-078-11	OUTLET, AC. (D915:AUS)	
⚠F902	1-532-237-00	FUSE, TIME LAG (T3.15A/250V) (D915:AUS)	
⚠F902	1-532-748-11	FUSE, GLASS TUBE (6.3A/125V) (EXCEPT D915:AUS)	
⚠F903	1-532-286-00	FUSE (T2.5A/250V) (D915:AUS)	
⚠F971	1-532-237-00	FUSE, TIME LAG (T3.15A/250V) (D915:AUS)	
⚠F971	1-576-107-11	FUSE (3.15A/250V) (EXCEPT D915:AUS)	
⚠F972	1-532-237-00	FUSE, TIME LAG (T3.15A/250V) (D915:AUS)	
⚠F972	1-576-107-11	FUSE (3.15A/250V) (EXCEPT D915:AUS)	
⚠F973	1-532-748-11	FUSE, GLASS TUBE (6.3A/125V) (EXCEPT D915:AUS)	
⚠F974	1-532-748-11	FUSE, GLASS TUBE (6.3A/125V) (EXCEPT D915:AUS)	
FE1	1-239-727-11	ENCAPSULATED COMPONENT (FCC) (EXCEPT D915:AUS)	
FE1	1-239-611-11	ENCAPSULATED COMPONENT (D915:AUS)	
IC621	8-759-502-33	IC SI-18752	
Q655	8-729-026-08	TRANSISTOR 2SC4495	
Q658	8-729-022-16	TRANSISTOR 2SD2390-OPY-M (D715)	
Q658	8-749-010-25	TRANSISTOR MN2488-OPY-M (D915)	
Q659	8-729-022-15	TRANSISTOR 2SB1560-OPY-M (D715)	
Q659	8-749-010-26	TRANSISTOR MP1620-OPY-M (D915)	
Q701	8-729-026-08	TRANSISTOR 2SC4495	
Q705	8-729-022-16	TRANSISTOR 2SD2390-OPY-M (D715)	
Q705	8-749-010-25	TRANSISTOR MN2488-OPY-M (D915)	
Q706	8-729-022-15	TRANSISTOR 2SB1560-OPY-M (D715)	
Q706	8-749-010-26	TRANSISTOR MP1620-OPY-M (D915)	
Q751	8-729-026-08	TRANSISTOR 2SC4495	
Q755	8-729-022-16	TRANSISTOR 2SD2390-OPY-M (D715)	
Q755	8-749-010-25	TRANSISTOR MN2488-OPY-M (D915)	
Q756	8-729-022-15	TRANSISTOR 2SB1560-OPY-M (D715)	
Q756	8-749-010-26	TRANSISTOR MP1620-OPY-M (D915)	
⚠T902	1-423-637-11	TRANSFORMER, POWER (D715:US)	
⚠T902	1-423-638-11	TRANSFORMER, POWER (D715:CND)	
⚠T902	1-426-756-11	TRANSFORMER, POWER (D915:US)	
⚠T902	1-426-757-11	TRANSFORMER, POWER (D915:CND)	
⚠T902	1-426-758-11	TRANSFORMER, POWER (D915:AUS)	

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The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

Ref.No.	Part No.	Description	Remark
		ACCESSORIES & PACKING MATERIALS	
		********	
	1-467-637-11	REMOTE COMMANDER (RM-U241)	(EXCEPT D915:CND)
	1-467-638-11	REMOTE COMMANDER (RM-P341) (D915:CND)	
	1-501-374-11	ANTENNA, LOOP	
	1-501-594-11	ANTENNA (FM) (D915:AUS)	
	3-758-526-21	MANUAL, INSTRUCTION (ENGLISH)	
	3-758-526-31	MANUAL, INSTRUCTION (FRENCH)	(D715:CND/D915:CND)
	3-759-183-31	MANUAL, INSTRUCTION (ENGLISH, FRENCH)	(for RM-P341) (D915:CND)
	4-925-079-11	COVER (6), BATTERY	(for REMOTE COMMANDER)
*	4-952-676-01	CUSHION	
*	4-967-030-01	INDIVIDUAL CARTON (D715)	
*	4-967-032-01	INDIVIDUAL CARTON (D915)	

****

****
HARDWARE LIST
****

#1	7-682-548-04	SCREW +BVTT 3X8 (S)
#2	7-682-548-09	SCREW +BVTT 3X8 (S)
#3	7-682-561-04	SCREW +BVTT 4X8 (S)
#4	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3

9-959-491-11

Sony Corporation
Consumer A&V Products Company
Home A&V Products Div.

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Quality Engineering Dept.

STR-D715/D915

SONY

SERVICE MANUAL

US Model
Canadian Model
STR-D715/D915
Australian Model
STR-D915

SUPPLEMENT-1

File this Supplement with the Service Manual.

Subject : Circuit change
Block diagram

9-959-491-81

Sony Corporation
Consumer A&V Products Company
Home A&V Products Div.

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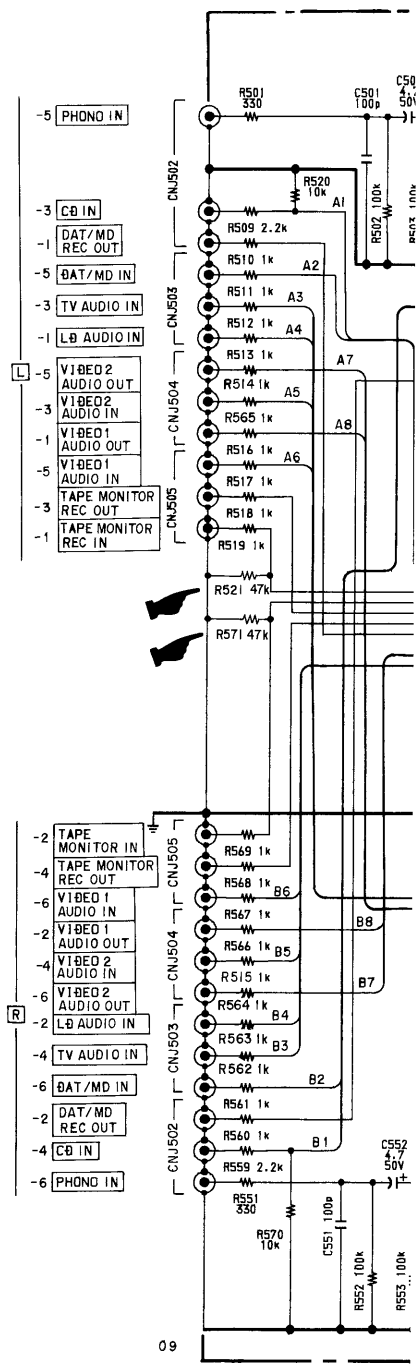
Quality Engineering Dept.

SCHEMATIC DIAGRAM (Service manual page 17)

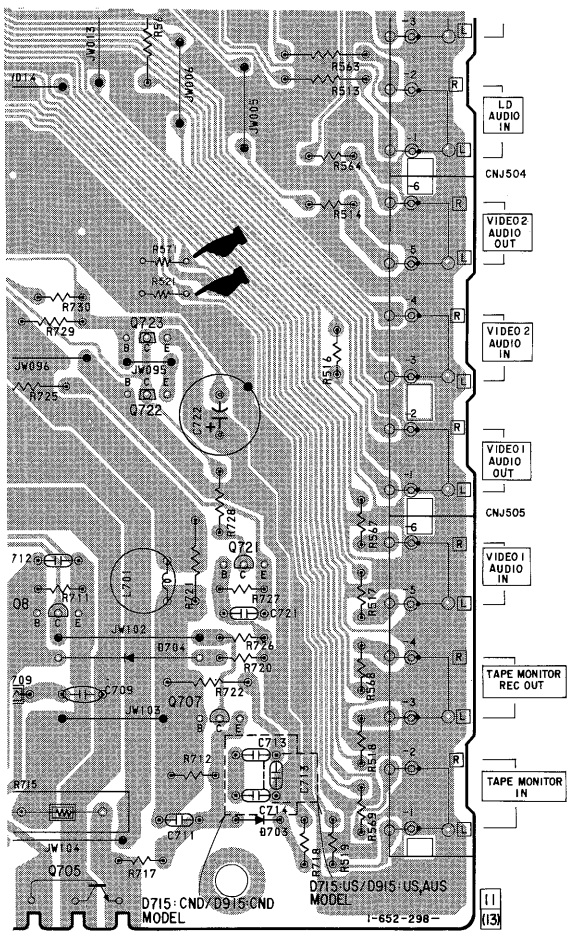
☛: indicates changed portion

[MAIN BOARD] ADDRESS J-2



PRINTED WIRING BOARDS (Service manual page 23)

[MAIN BOARD] ADDRESS G,H-20



CHANGE PARTS LIST

Page	Ref. No.	Former	New
43	R521	———	1-249-437-11 CARBON 47K 5% 1/4W
	R571	———	1-249-437-11 CARBON 47K 5% 1/4W

• BLOCK DIAGRAM